



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



## Final Analytical Report

Site Name.....	Dimock Residential Groundwater
Sample Collection Date(s).....	01/28/12 11:26- 02/01/12 11:42
Contact.....	Rich Fetzer
Report Date.....	02/28/12 16:47
Project #.....	DAS R33907
Work Order.....	1201015

### Analyses included in this report:

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Alcohols by EPA 8015D	SVOCs by CLP Equivalent
VOCs by CLP Equivalent (trace)	

Approved for Release

*C. Capone*

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OASQA Representative



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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**Site Name:** Dimock Residential Groundwater

**Project #:** DAS R33907

**Report Narrative**

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**Site Name:** Dimock Residential Groundwater

**Project #:** DAS R33907

## Report Narrative

The EPA Region 3 Laboratory's Quality System is NELAP accredited. The National Environmental Laboratory Accreditation Program (NELAP) is a voluntary environmental laboratory accreditation association of State and Federal agencies.

### **General Notes:**

This report contains results for Volatiles (VOAs), Semivolatiles (SVOAs), and Alcohol analyses only. All other parameters identified on the chain-of-custody form are included in separate reports. Lab Sample numbers 1201015-06 thru -10, 1201015-12, -14, -16, -18, -20, -22, -27, -29, -32, -34, -36, -38, -40, -42 and -44 are not included in this report since these samples were designated for Metals and Mercury analyses only.

For Work Order 1201015 - **This is Report 2 of 3.**

Chain-of-Custody forms are included in Report 1 of 3 for this Work Order.

All samples were received intact and at proper temperature.

Analytical results for samples by the Orthophosphorus method are not included in this report. Instead samples were analyzed using the Total Phosphate method to eliminate any issues with holding times. Since the Orthophosphorus method was being used as a screening method to determine the need to analyze the sample by the Total Phosphate method, results for Total Phosphate are not impacted.

Samples designated for the analysis of Oil & Grease were received in sample containers inconsistent with the type needed for the routine extraction procedure. Therefore, all samples were extracted using the manual extraction technique.

Where applicable, sample results are qualified based on the highest level concentrations of field QC contamination found in the field, equipment, or trip blanks.

Unless otherwise noted below, all required instrument and method QC was run and was within criteria.

### **SVOCs Analysis Note:**

All samples were extracted by EPA SW-846 Method 3520C followed by analysis using EPA SW-846 Method 8270D. Refer to notes in case file for additional information regarding the analysis.

Results for sample 1201015-26 are suspect. Although, all QC and lab blanks are acceptable for sample 1201015-26, low levels of certain compounds detected indicate possible glassware contamination.

For this project two additional compounds are added to the SVOC analysis; 2-methoxyethanol and 1-methylnaphthalene. A separate calibration curve is used for these compounds with quality control requirements per the On-Demand protocol. For 2-methoxyethanol, the analysis is also being completed on each sample using the HPLC/MS/MS technique (Glycol analysis). Since SVOC extraction efficiencies are problematic for 2-methoxyethanol, the results from the HPLC/MS/MS technique should be used for these samples. For samples 1201015-11 thru 43 the blank spike (LCS) quality control samples did not include these two compounds. Therefore, all quantitation limits for these samples are qualified estimated "UJ."

For samples 1201015-01 thru -05, quantitation limits for 2,4-dinitrophenol, 2-methoxyethanol and hexachlorocyclopentadiene are elevated due to zero percent recovery in the low-spike quality control check (BS1). For samples 1201015-01 thru -05, quantitation limits for 4,6-dinitro-2-methylphenol, 4-nitrophenol, and, 2,3,4,6-tetrachlorophenol are elevated due to low percent recovery in the low-spike quality control check. For all samples, quantitation limits for pentachlorophenol are elevated due to low percent recovery in the low-spike quality control check. Results for all the mid-level spike quality control check (BS2) are within acceptance limits; therefore,



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## Report Narrative

quantitation limits are raised to the mid-level value. In the report, only 16 compounds are reported for blank spike quality control check samples. Quality control information about the additional spiked compounds is available in the case file.

Several surrogate recoveries were below acceptance limits for sample 1201015-41 due to an extraction chiller malfunction. Results are below the quantitation limit and are qualified as estimated "J" and may be biased low. Quantitation limits are qualified as estimated "UJ."

Results for a limited number of parameters found in all samples have been qualified "B" because of contamination found in either the method blank, field blank, or equipment blank.

### **VOA Analysis Note:**

Acrylonitrile was analyzed on-demand using CLP equivalent methodology. This analyte does not appear in the data tables or the QC summary and all data for this compound is summarized here. Acrylonitrile was not detected in any of the samples above a quantitation limit of 2 ug/L. A four point curve was analyzed (2, 5, 10 and 20 ug/L). The samples were preserved to a pH<2 with HCl. A low level second source blank spike analyzed at a concentration of 2 ug/L had a recovery of 98% on 1/31/12 and 98% on 2/8/12. A mid level second source blank spike analyzed at a concentration of 10 ug/L had a recovery of 116% on 1/31/12 and 119% on 2/8/12. A matrix spike and matrix spike duplicate pair was prepared using sample 1201015-17 (Sta. HW35) at a concentration of 5 ppb acrylonitrile with recoveries of 188% and 189 %, RPD=0.

The high matrix spike recovery for acrylonitrile and six compounds eluting in the same region is due to background interference in the sample.

2-Chloroethylvinyl ether is not included in the analysis. 2-Chloroethylvinyl ether breaks down in acidified samples.

In addition to the Tentatively Identified Compounds (TICs) reported, two samples exhibited a large peak that eluted too early in the chromatograph to estimate concentration. The mass spectra profile is consistent with the presence of propane (>93% probability). The samples are 1201015-37 (Sta. HW29z) and 1201015-39 (Sta. HW29).

### **Alcohols Analysis Note:**

All required instrument QC was run and was within the required criteria.

## **REPORT 2 of 3**



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
EB01	1201015-01	Water	1/28/12 11:26	1/31/12 08:47
FB06	1201015-02	Water	1/30/12 09:30	1/31/12 08:47
HW18	1201015-03	Drinking Water	1/30/12 11:27	1/31/12 08:47
HW13	1201015-04	Drinking Water	1/30/12 11:23	1/31/12 08:47
HW18-P	1201015-05	Drinking Water	1/30/12 11:52	1/31/12 08:47
HW25-P	1201015-11	Drinking Water	1/30/12 15:32	2/01/12 09:35
HW26-P	1201015-13	Drinking Water	1/31/12 11:37	2/01/12 09:35
HW26	1201015-15	Drinking Water	1/31/12 10:26	2/01/12 09:35
HW35	1201015-17	Drinking Water	1/31/12 11:49	2/01/12 09:35
HW20	1201015-19	Drinking Water	1/30/12 16:12	2/01/12 09:35
HW20-P	1201015-21	Drinking Water	1/30/12 16:29	2/01/12 09:35
TB08	1201015-23	Water	1/28/12 14:22	2/01/12 09:35
TB09	1201015-24	Water	1/30/12 07:15	2/01/12 09:35
HW32	1201015-25	Drinking Water	2/01/12 10:45	2/02/12 10:50
HW32-P	1201015-26	Drinking Water	2/01/12 10:50	2/02/12 10:50
TB13	1201015-28	Water	2/01/12 07:23	2/02/12 10:50
HW33	1201015-30	Drinking Water	2/01/12 10:49	2/02/12 10:50
HW33a-P	1201015-31	Drinking Water	2/01/12 10:42	2/02/12 10:50
HW33b-P	1201015-33	Drinking Water	2/01/12 11:42	2/02/12 10:50
TB12	1201015-35	Water	2/01/12 07:20	2/02/12 10:50
HW29z	1201015-37	Drinking Water	1/31/12 18:18	2/02/12 10:50
HW29	1201015-39	Drinking Water	1/31/12 18:18	2/02/12 10:50
HW52	1201015-41	Drinking Water	1/31/12 15:22	2/02/12 10:50
FB07	1201015-43	Water	1/31/12 14:15	2/02/12 10:50
TB10	1201015-45	Water	1/31/12 07:20	2/02/12 10:50
TB11	1201015-46	Water	1/31/12 07:25	2/02/12 10:50



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** EB01**Lab ID:** 1201015-01**Sample Matrix:** Water**Date Collected:** 01/28/2012**Alcohols  
Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/01/12	02/01/12 17:52	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/01/12	02/01/12 17:52	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/01/12	02/01/12 17:52	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/01/12	02/01/12 17:52	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/01/12	02/01/12 17:52	EPA 8015D/R3QA203

**Semivolatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
Acenaphthylene	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
<b>Acetophenone</b>	<b>0.074</b>	J	5.00	1	02/01/12	02/02/12 18:37	R3QA201
Anthracene	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
Atrazine	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
Benzaldehyde	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
Benzo(a)anthracene	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
Benzo(a)pyrene	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
<b>1,1-Biphenyl</b>	<b>0.027</b>	J	5.00	1	02/01/12	02/02/12 18:37	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>1.72</b>	B, J	5.00	1	02/01/12	02/02/12 18:37	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
Carbazole	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
Caprolactam	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
4-Chloroaniline	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
2-Chloronaphthalene	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
2-Chlorophenol	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
Chrysene	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
Dibenzo(furan	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** EB01**Lab ID:** 1201015-01**Sample Matrix:** Water**Date Collected:** 01/28/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags B, J	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Diethyl phthalate</b>	<b>0.155</b>			5.00	1	02/01/12	02/02/12 18:37	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
Dimethyl phthalate	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
2,4-Dinitrophenol	U			60.0	1	02/01/12	02/02/12 18:37	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.411</b>			5.00	1	02/01/12	02/02/12 18:37	R3QA201
4,6-Dinitro-2-methylphenol	U			60.0	1	02/01/12	02/02/12 18:37	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
Fluoranthene	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
<b>Fluorene</b>	<b>0.025</b>		J	5.00	1	02/01/12	02/02/12 18:37	R3QA201
Hexachlorobenzene	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
Hexachlorobutadiene	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
Hexachlorocyclopentadiene	U			60.0	1	02/01/12	02/02/12 18:37	R3QA201
Hexachloroethane	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
Isophorone	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
2-Methoxyethanol	U			60.0	1	02/01/12	02/02/12 18:37	R3QA201
<b>1-Methylnaphthalene</b>	<b>0.042</b>		J	5.00	1	02/01/12	02/02/12 18:37	R3QA201
<b>2-Methylnaphthalene</b>	<b>0.041</b>		J	5.00	1	02/01/12	02/02/12 18:37	R3QA201
2-Methylphenol	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
4-Methylphenol	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
<b>Naphthalene</b>	<b>0.247</b>		J	5.00	1	02/01/12	02/02/12 18:37	R3QA201
2-Nitroaniline	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
3-Nitroaniline	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
4-Nitroaniline	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
Nitrobenzene	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
2-Nitrophenol	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
4-Nitrophenol	U			60.0	1	02/01/12	02/02/12 18:37	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
Pentachlorophenol	U			60.0	1	02/01/12	02/02/12 18:37	R3QA201
Phenanthrene	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
Phenol	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
Pyrene	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201
2,3,4,6-Tetrachlorophenol	U			60.0	1	02/01/12	02/02/12 18:37	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/01/12	02/02/12 18:37	R3QA201



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** EB01**Lab ID:** 1201015-01**Sample Matrix:** Water**Date Collected:** 01/28/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/01/12	02/02/12 18:37	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	66.8		67 %	21-110	02/01/12	02/02/12 18:37	R3QA201
Surrogate: Phenol-d5	73.5		73 %	10-110	02/01/12	02/02/12 18:37	R3QA201
Surrogate: Nitrobenzene-d5	31.2		62 %	35-114	02/01/12	02/02/12 18:37	R3QA201
Surrogate: 2-Fluorobiphenyl	30.9		62 %	43-116	02/01/12	02/02/12 18:37	R3QA201
Surrogate: 2,4,6-Tribromophenol	65.4		65 %	10-123	02/01/12	02/02/12 18:37	R3QA201
Surrogate: Terphenyl-d14	38.9		78 %	33-141	02/01/12	02/02/12 18:37	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Acetone</b>	<b>3.5</b>	J	2.0	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Benzene	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Bromoform	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
<b>Chloroform</b>	<b>1.8</b>		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210

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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** EB01**Lab ID:** 1201015-01**Sample Matrix:** Water**Date Collected:** 01/28/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U			1.0	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
<b>1,2-Dichloroethane</b>	<b>0.3</b>	J		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Freon 113	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
<b>Methylene Chloride</b>	<b>2.6</b>			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
<b>Naphthalene</b>	<b>0.2</b>	J		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Styrene	U			1.0	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
<b>Toluene</b>	<b>0.6</b>			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** EB01**Lab ID:** 1201015-01**Sample Matrix:** Water**Date Collected:** 01/28/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/01/12	02/01/12 14:29	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.330		108 %	86-115	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.260		106 %	76-114	02/01/12	02/01/12 14:29	CLP trace/R3QA210
Surrogate: Toluene-d8	4.260		106 %	88-110	02/01/12	02/01/12 14:29	CLP trace/R3QA210



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB06**Lab ID:** 1201015-02**Sample Matrix:** Water**Date Collected:** 01/30/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/01/12	02/01/12 18:06	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/01/12	02/01/12 18:06	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/01/12	02/01/12 18:06	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/01/12	02/01/12 18:06	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/01/12	02/01/12 18:06	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Acenaphthylene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
<b>Acetophenone</b>	<b>0.087</b>	J	5.00	1	02/01/12	02/02/12 19:28	R3QA201
Anthracene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Atrazine	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Benzaldehyde	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Benzo(a)anthracene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Benzo(a)pyrene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
1,1-Biphenyl	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>1.76</b>	B, J	5.00	1	02/01/12	02/02/12 19:28	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Carbazole	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Caprolactam	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
4-Chloroaniline	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
2-Chloronaphthalene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
2-Chlorophenol	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Chrysene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Dibenzofuran	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB06**Lab ID:** 1201015-02**Sample Matrix:** Water**Date Collected:** 01/30/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Diethyl phthalate</b>	<b>0.137</b>	B, J	5.00	1	02/01/12	02/02/12 19:28	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Dimethyl phthalate	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
2,4-Dinitrophenol	U		60.0	1	02/01/12	02/02/12 19:28	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.384</b>	B, J	5.00	1	02/01/12	02/02/12 19:28	R3QA201
4,6-Dinitro-2-methylphenol	U		60.0	1	02/01/12	02/02/12 19:28	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Fluoranthene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Fluorene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Hexachlorobenzene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Hexachlorobutadiene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Hexachlorocyclopentadiene	U		60.0	1	02/01/12	02/02/12 19:28	R3QA201
Hexachloroethane	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Isophorone	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
2-Methoxyethanol	U		60.0	1	02/01/12	02/02/12 19:28	R3QA201
<b>1-Methylnaphthalene</b>	<b>0.020</b>	J	5.00	1	02/01/12	02/02/12 19:28	R3QA201
<b>2-Methylnaphthalene</b>	<b>0.031</b>	J	5.00	1	02/01/12	02/02/12 19:28	R3QA201
2-Methylphenol	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
4-Methylphenol	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
<b>Naphthalene</b>	<b>0.320</b>	J	5.00	1	02/01/12	02/02/12 19:28	R3QA201
2-Nitroaniline	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
3-Nitroaniline	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
4-Nitroaniline	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Nitrobenzene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
2-Nitrophenol	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
4-Nitrophenol	U		60.0	1	02/01/12	02/02/12 19:28	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Pentachlorophenol	U		60.0	1	02/01/12	02/02/12 19:28	R3QA201
Phenanthrene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Phenol	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
Pyrene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201
2,3,4,6-Tetrachlorophenol	U		60.0	1	02/01/12	02/02/12 19:28	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB06**Lab ID:** 1201015-02**Sample Matrix:** Water**Date Collected:** 01/30/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/01/12	02/02/12 19:28	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	77.9		78 %	21-110	02/01/12	02/02/12 19:28	R3QA201
Surrogate: Phenol-d5	84.3		84 %	10-110	02/01/12	02/02/12 19:28	R3QA201
Surrogate: Nitrobenzene-d5	35.5		71 %	35-114	02/01/12	02/02/12 19:28	R3QA201
Surrogate: 2-Fluorobiphenyl	34.8		70 %	43-116	02/01/12	02/02/12 19:28	R3QA201
Surrogate: 2,4,6-Tribromophenol	73.3		73 %	10-123	02/01/12	02/02/12 19:28	R3QA201
Surrogate: Terphenyl-d14	41.4		83 %	33-141	02/01/12	02/02/12 19:28	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Acetone</b>	<b>3.3</b>	J	2.0	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Benzene	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Bromoform	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
<b>Chloroform</b>	<b>2.1</b>		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB06**Lab ID:** 1201015-02**Sample Matrix:** Water**Date Collected:** 01/30/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U			1.0	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
<b>1,2-Dichloroethane</b>	<b>0.2</b>	J		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Freon 113	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
<b>Methylene Chloride</b>	<b>2.7</b>			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
<b>Naphthalene</b>	<b>0.2</b>	J		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Styrene	U			1.0	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
<b>Toluene</b>	<b>0.9</b>			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB06**Lab ID:** 1201015-02**Sample Matrix:** Water**Date Collected:** 01/30/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/01/12	02/01/12 15:01	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.240		106 %	86-115	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.550		114 %	76-114	02/01/12	02/01/12 15:01	CLP trace/R3QA210
Surrogate: Toluene-d8	4.120		103 %	88-110	02/01/12	02/01/12 15:01	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW18**Lab ID:** 1201015-03**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/01/12	02/01/12 18:20	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/01/12	02/01/12 18:20	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/01/12	02/01/12 18:20	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/01/12	02/01/12 18:20	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/01/12	02/01/12 18:20	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Acenaphthylene	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Acetophenone	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Anthracene	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Atrazine	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Benzaldehyde	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Benzo(a)anthracene	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Benzo(a)pyrene	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
1,1-Biphenyl	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>2.49</b>	<b>B, J</b>	5.00	1	02/01/12	02/02/12 20:18	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Carbazole	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Caprolactam	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
4-Chloroaniline	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
2-Chloronaphthalene	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
2-Chlorophenol	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Chrysene	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
Dibenzofuran	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201



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701 Mapes Road  
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW18**Lab ID:** 1201015-03**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags B, J	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	<b>0.160</b>			5.00	1	02/01/12	02/02/12 20:18	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
Dimethyl phthalate	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
2,4-Dinitrophenol	U			60.0	1	02/01/12	02/02/12 20:18	R3QA201
Di-n-butyl phthalate	<b>0.548</b>			5.00	1	02/01/12	02/02/12 20:18	R3QA201
4,6-Dinitro-2-methylphenol	U			60.0	1	02/01/12	02/02/12 20:18	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
Fluoranthene	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
Fluorene	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
Hexachlorobenzene	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
Hexachlorobutadiene	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
Hexachlorocyclopentadiene	U			60.0	1	02/01/12	02/02/12 20:18	R3QA201
Hexachloroethane	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
Isophorone	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
2-Methoxyethanol	U			60.0	1	02/01/12	02/02/12 20:18	R3QA201
1-Methylnaphthalene	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
2-Methylnaphthalene	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
2-Methylphenol	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
4-Methylphenol	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
Naphthalene	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
2-Nitroaniline	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
3-Nitroaniline	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
4-Nitroaniline	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
Nitrobenzene	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
2-Nitrophenol	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
4-Nitrophenol	U			60.0	1	02/01/12	02/02/12 20:18	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
Pentachlorophenol	U			60.0	1	02/01/12	02/02/12 20:18	R3QA201
Phenanthrene	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
Phenol	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
Pyrene	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201
2,3,4,6-Tetrachlorophenol	U			60.0	1	02/01/12	02/02/12 20:18	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/01/12	02/02/12 20:18	R3QA201



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW18**Lab ID:** 1201015-03**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/01/12	02/02/12 20:18	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	70.3		70 %	21-110	02/01/12	02/02/12 20:18	R3QA201
Surrogate: Phenol-d5	75.1		75 %	10-110	02/01/12	02/02/12 20:18	R3QA201
Surrogate: Nitrobenzene-d5	32.2		64 %	35-114	02/01/12	02/02/12 20:18	R3QA201
Surrogate: 2-Fluorobiphenyl	32.4		65 %	43-116	02/01/12	02/02/12 20:18	R3QA201
Surrogate: 2,4,6-Tribromophenol	72.1		72 %	10-123	02/01/12	02/02/12 20:18	R3QA201
Surrogate: Terphenyl-d14	37.2		74 %	33-141	02/01/12	02/02/12 20:18	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.6	B, J	2.0	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Benzene	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Bromoform	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Chloroform	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW18**Lab ID:** 1201015-03**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U			1.0	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Freon 113	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Styrene	U			1.0	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Toluene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW18**Lab ID:** 1201015-03**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/01/12	02/01/12 15:31	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.410		110 %	86-115	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.510		113 %	76-114	02/01/12	02/01/12 15:31	CLP trace/R3QA210
Surrogate: Toluene-d8	4.130		103 %	88-110	02/01/12	02/01/12 15:31	CLP trace/R3QA210



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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW13**Lab ID:** 1201015-04**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/01/12	02/01/12 18:34	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/01/12	02/01/12 18:34	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/01/12	02/01/12 18:34	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/01/12	02/01/12 18:34	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/01/12	02/01/12 18:34	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
Acenaphthylene	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
<b>Acetophenone</b>	<b>0.224</b>	B, J	5.00	1	02/01/12	02/02/12 21:09	R3QA201
Anthracene	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
Atrazine	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
Benzaldehyde	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
Benzo(a)anthracene	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
Benzo(a)pyrene	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
1,1-Biphenyl	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>2.66</b>	B, J	5.00	1	02/01/12	02/02/12 21:09	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
Carbazole	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
Caprolactam	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
4-Chloroaniline	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
2-Chloronaphthalene	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
2-Chlorophenol	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
Chrysene	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
Dibenzofuran	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW13**Lab ID:** 1201015-04**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags B, J	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	<b>0.162</b>			5.00	1	02/01/12	02/02/12 21:09	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
Dimethyl phthalate	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
2,4-Dinitrophenol	U			60.0	1	02/01/12	02/02/12 21:09	R3QA201
Di-n-butyl phthalate	<b>0.417</b>			5.00	1	02/01/12	02/02/12 21:09	R3QA201
4,6-Dinitro-2-methylphenol	U			60.0	1	02/01/12	02/02/12 21:09	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
Fluoranthene	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
Fluorene	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
Hexachlorobenzene	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
Hexachlorobutadiene	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
Hexachlorocyclopentadiene	U			60.0	1	02/01/12	02/02/12 21:09	R3QA201
Hexachloroethane	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
Isophorone	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
2-Methoxyethanol	U			60.0	1	02/01/12	02/02/12 21:09	R3QA201
1-Methylnaphthalene	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
2-Methylnaphthalene	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
2-Methylphenol	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
4-Methylphenol	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
Naphthalene	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
2-Nitroaniline	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
3-Nitroaniline	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
4-Nitroaniline	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
Nitrobenzene	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
2-Nitrophenol	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
4-Nitrophenol	U			60.0	1	02/01/12	02/02/12 21:09	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
Pentachlorophenol	U			60.0	1	02/01/12	02/02/12 21:09	R3QA201
Phenanthrene	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
Phenol	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
Pyrene	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201
2,3,4,6-Tetrachlorophenol	U			60.0	1	02/01/12	02/02/12 21:09	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/01/12	02/02/12 21:09	R3QA201



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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW13**Lab ID:** 1201015-04**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/01/12	02/02/12 21:09	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	74.0		74 %	21-110	02/01/12	02/02/12 21:09	R3QA201
Surrogate: Phenol-d5	80.8		81 %	10-110	02/01/12	02/02/12 21:09	R3QA201
Surrogate: Nitrobenzene-d5	34.5		69 %	35-114	02/01/12	02/02/12 21:09	R3QA201
Surrogate: 2-Fluorobiphenyl	35.3		71 %	43-116	02/01/12	02/02/12 21:09	R3QA201
Surrogate: 2,4,6-Tribromophenol	71.3		71 %	10-123	02/01/12	02/02/12 21:09	R3QA201
Surrogate: Terphenyl-d14	39.0		78 %	33-141	02/01/12	02/02/12 21:09	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	2.1	B, J	2.0	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Benzene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Bromoform	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Chloroform	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210



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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW13**Lab ID:** 1201015-04**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		1.0	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Freon 113	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Styrene	U		1.0	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Toluene	<b>12.0</b>		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210



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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW13**Lab ID:** 1201015-04**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/01/12	02/01/12 16:00	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.290		107 %	86-115	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.460		112 %	76-114	02/01/12	02/01/12 16:00	CLP trace/R3QA210
Surrogate: Toluene-d8	4.250		106 %	88-110	02/01/12	02/01/12 16:00	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW18-P**Lab ID:** 1201015-05**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/01/12	02/01/12 18:47	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/01/12	02/01/12 18:47	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/01/12	02/01/12 18:47	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/01/12	02/01/12 18:47	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/01/12	02/01/12 18:47	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Acenaphthylene	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Acetophenone	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Anthracene	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Atrazine	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Benzaldehyde	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Benzo(a)anthracene	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Benzo(a)pyrene	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
1,1-Biphenyl	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>1.66</b>	<b>B, J</b>	5.00	1	02/01/12	02/02/12 21:59	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Carbazole	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Caprolactam	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
4-Chloroaniline	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
2-Chloronaphthalene	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
2-Chlorophenol	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Chrysene	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
Dibenzofuran	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW18-P**Lab ID:** 1201015-05**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags B, J	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	<b>0.149</b>			5.00	1	02/01/12	02/02/12 21:59	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
Dimethyl phthalate	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
2,4-Dinitrophenol	U			60.0	1	02/01/12	02/02/12 21:59	R3QA201
Di-n-butyl phthalate	<b>0.330</b>			5.00	1	02/01/12	02/02/12 21:59	R3QA201
4,6-Dinitro-2-methylphenol	U			60.0	1	02/01/12	02/02/12 21:59	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
Fluoranthene	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
Fluorene	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
Hexachlorobenzene	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
Hexachlorobutadiene	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
Hexachlorocyclopentadiene	U			60.0	1	02/01/12	02/02/12 21:59	R3QA201
Hexachloroethane	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
Isophorone	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
2-Methoxyethanol	U			60.0	1	02/01/12	02/02/12 21:59	R3QA201
1-Methylnaphthalene	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
2-Methylnaphthalene	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
2-Methylphenol	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
4-Methylphenol	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
Naphthalene	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
2-Nitroaniline	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
3-Nitroaniline	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
4-Nitroaniline	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
Nitrobenzene	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
2-Nitrophenol	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
4-Nitrophenol	U			60.0	1	02/01/12	02/02/12 21:59	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
Pentachlorophenol	U			60.0	1	02/01/12	02/02/12 21:59	R3QA201
Phenanthrene	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
Phenol	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
Pyrene	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201
2,3,4,6-Tetrachlorophenol	U			60.0	1	02/01/12	02/02/12 21:59	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/01/12	02/02/12 21:59	R3QA201



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Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW18-P**Lab ID:** 1201015-05**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/01/12	02/02/12 21:59	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	71.2		71 %	21-110	02/01/12	02/02/12 21:59	R3QA201
Surrogate: Phenol-d5	76.2		76 %	10-110	02/01/12	02/02/12 21:59	R3QA201
Surrogate: Nitrobenzene-d5	32.4		65 %	35-114	02/01/12	02/02/12 21:59	R3QA201
Surrogate: 2-Fluorobiphenyl	33.7		67 %	43-116	02/01/12	02/02/12 21:59	R3QA201
Surrogate: 2,4,6-Tribromophenol	70.9		71 %	10-123	02/01/12	02/02/12 21:59	R3QA201
Surrogate: Terphenyl-d14	41.2		82 %	33-141	02/01/12	02/02/12 21:59	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	2.7	B, J	2.0	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Benzene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Bromoform	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Chloroform	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road  
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW18-P**Lab ID:** 1201015-05**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		1.0	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Freon 113	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Styrene	U		1.0	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Toluene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW18-P**Lab ID:** 1201015-05**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/01/12	02/01/12 16:28	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.370		109 %	86-115	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.330		108 %	76-114	02/01/12	02/01/12 16:28	CLP trace/R3QA210
Surrogate: Toluene-d8	4.130		103 %	88-110	02/01/12	02/01/12 16:28	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW25-P**Lab ID:** 1201015-11**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/01/12	02/01/12 19:01	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/01/12	02/01/12 19:01	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/01/12	02/01/12 19:01	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/01/12	02/01/12 19:01	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/01/12	02/01/12 19:01	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Acenaphthylene	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Acetophenone	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Anthracene	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Atrazine	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Benzaldehyde	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Benzo(a)anthracene	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Benzo(a)pyrene	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
1,1-Biphenyl	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.080</b>	B, J	5.00	1	02/06/12	02/06/12 13:04	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Carbazole	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Caprolactam	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
4-Chloroaniline	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
2-Chloronaphthalene	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
2-Chlorophenol	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Chrysene	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
Dibenzofuran	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW25-P**Lab ID:** 1201015-11**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags B, J	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	<b>0.020</b>			5.00	1	02/06/12	02/06/12 13:04	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
Dimethyl phthalate	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.270</b>			5.00	1	02/06/12	02/06/12 13:04	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/06/12	02/06/12 13:04	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
Fluoranthene	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
Fluorene	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
Hexachlorobenzene	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
Hexachlorobutadiene	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
Hexachloroethane	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
Isophorone	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/06/12	02/16/12 19:59	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/06/12	02/16/12 19:59	R3QA201
2-Methylnaphthalene	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
2-Methylphenol	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
4-Methylphenol	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
Naphthalene	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
2-Nitroaniline	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
3-Nitroaniline	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
4-Nitroaniline	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
Nitrobenzene	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
2-Nitrophenol	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
4-Nitrophenol	U			10.0	1	02/06/12	02/06/12 13:04	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
Pentachlorophenol	U			60.0	1	02/06/12	02/06/12 13:04	R3QA201
Phenanthrene	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
Phenol	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
Pyrene	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/06/12	02/06/12 13:04	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW25-P**Lab ID:** 1201015-11**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/06/12	02/06/12 13:04	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	37.0		74 %	21-110	02/06/12	02/06/12 13:04	R3QA201
Surrogate: Phenol-d5	42.5		85 %	10-110	02/06/12	02/06/12 13:04	R3QA201
Surrogate: Nitrobenzene-d5	21.0		84 %	35-114	02/06/12	02/06/12 13:04	R3QA201
Surrogate: 2-Fluorobiphenyl	20.0		80 %	43-116	02/06/12	02/06/12 13:04	R3QA201
Surrogate: 2,4,6-Tribromophenol	37.7		75 %	10-123	02/06/12	02/06/12 13:04	R3QA201
Surrogate: Terphenyl-d14	22.3		89 %	33-141	02/06/12	02/06/12 13:04	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Benzene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Bromoform	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Chloroform	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW25-P**Lab ID:** 1201015-11**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012

**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		1.0	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Freon 113	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Styrene	U		1.0	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Toluene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW25-P**Lab ID:** 1201015-11**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/01/12	02/01/12 16:56	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.560		114 %	86-115	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.320		108 %	76-114	02/01/12	02/01/12 16:56	CLP trace/R3QA210
Surrogate: Toluene-d8	4.210		105 %	88-110	02/01/12	02/01/12 16:56	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW26-P**Lab ID:** 1201015-13**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/01/12	02/01/12 19:15	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/01/12	02/01/12 19:15	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/01/12	02/01/12 19:15	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/01/12	02/01/12 19:15	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/01/12	02/01/12 19:15	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Acenaphthylene	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Acetophenone	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Anthracene	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Atrazine	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Benzaldehyde	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Benzo(a)anthracene	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Benzo(a)pyrene	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
1,1-Biphenyl	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.090</b>	<b>B, J</b>	5.00	1	02/06/12	02/06/12 13:46	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Carbazole	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Caprolactam	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
4-Chloroaniline	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
2-Chloronaphthalene	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
2-Chlorophenol	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Chrysene	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
Dibenzofuran	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW26-P**Lab ID:** 1201015-13**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags B, J	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Diethyl phthalate</b>	<b>0.020</b>			5.00	1	02/06/12	02/06/12 13:46	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
Dimethyl phthalate	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.230</b>			5.00	1	02/06/12	02/06/12 13:46	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/06/12	02/06/12 13:46	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
Fluoranthene	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
Fluorene	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
Hexachlorobenzene	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
Hexachlorobutadiene	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
Hexachloroethane	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
Isophorone	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/06/12	02/16/12 20:50	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/06/12	02/16/12 20:50	R3QA201
2-Methylnaphthalene	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
2-Methylphenol	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
4-Methylphenol	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
Naphthalene	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
2-Nitroaniline	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
3-Nitroaniline	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
4-Nitroaniline	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
Nitrobenzene	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
2-Nitrophenol	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
4-Nitrophenol	U			10.0	1	02/06/12	02/06/12 13:46	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
Pentachlorophenol	U			60.0	1	02/06/12	02/06/12 13:46	R3QA201
Phenanthrene	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
Phenol	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
Pyrene	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/06/12	02/06/12 13:46	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW26-P**Lab ID:** 1201015-13**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/06/12	02/06/12 13:46	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	26.1		52 %	21-110	02/06/12	02/06/12 13:46	R3QA201
Surrogate: Phenol-d5	30.8		62 %	10-110	02/06/12	02/06/12 13:46	R3QA201
Surrogate: Nitrobenzene-d5	14.8		59 %	35-114	02/06/12	02/06/12 13:46	R3QA201
Surrogate: 2-Fluorobiphenyl	14.5		58 %	43-116	02/06/12	02/06/12 13:46	R3QA201
Surrogate: 2,4,6-Tribromophenol	29.4		59 %	10-123	02/06/12	02/06/12 13:46	R3QA201
Surrogate: Terphenyl-d14	17.6		70 %	33-141	02/06/12	02/06/12 13:46	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.3	B, J	2.0	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Bromoform	U		1.0	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW26-P**Lab ID:** 1201015-13**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Toluene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW26-P**Lab ID:** 1201015-13**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 17:03	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.160		104 %	86-115	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.110		103 %	76-114	02/08/12	02/08/12 17:03	CLP trace/R3QA210
Surrogate: Toluene-d8	3.900		98 %	88-110	02/08/12	02/08/12 17:03	CLP trace/R3QA210



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Region 3 Environmental Science Center  
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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW26**Lab ID:** 1201015-15**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/01/12	02/01/12 19:28	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/01/12	02/01/12 19:28	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/01/12	02/01/12 19:28	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/01/12	02/01/12 19:28	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/01/12	02/01/12 19:28	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Acenaphthylene	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Acetophenone	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Anthracene	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Atrazine	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Benzaldehyde	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Benzo(a)anthracene	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Benzo(a)pyrene	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
1,1-Biphenyl	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.090</b>	<b>B, J</b>	5.00	1	02/06/12	02/06/12 14:28	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Carbazole	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Caprolactam	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
4-Chloroaniline	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
2-Chloronaphthalene	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
2-Chlorophenol	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Chrysene	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
Dibenzofuran	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201



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701 Mapes Road  
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW26**Lab ID:** 1201015-15**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags B, J	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Diethyl phthalate</b>	<b>0.020</b>			5.00	1	02/06/12	02/06/12 14:28	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
Dimethyl phthalate	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.290</b>			5.00	1	02/06/12	02/06/12 14:28	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/06/12	02/06/12 14:28	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
Fluoranthene	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
Fluorene	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
Hexachlorobenzene	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
Hexachlorobutadiene	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
Hexachloroethane	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
Isophorone	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/06/12	02/16/12 21:41	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/06/12	02/16/12 21:41	R3QA201
2-Methylnaphthalene	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
2-Methylphenol	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
4-Methylphenol	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
Naphthalene	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
2-Nitroaniline	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
3-Nitroaniline	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
4-Nitroaniline	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
Nitrobenzene	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
2-Nitrophenol	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
4-Nitrophenol	U			10.0	1	02/06/12	02/06/12 14:28	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
Pentachlorophenol	U			60.0	1	02/06/12	02/06/12 14:28	R3QA201
Phenanthrene	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
Phenol	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
Pyrene	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/06/12	02/06/12 14:28	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW26**Lab ID:** 1201015-15**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/06/12	02/06/12 14:28	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	33.9		68 %	21-110	02/06/12	02/06/12 14:28	R3QA201
Surrogate: Phenol-d5	40.8		82 %	10-110	02/06/12	02/06/12 14:28	R3QA201
Surrogate: Nitrobenzene-d5	20.4		82 %	35-114	02/06/12	02/06/12 14:28	R3QA201
Surrogate: 2-Fluorobiphenyl	19.8		79 %	43-116	02/06/12	02/06/12 14:28	R3QA201
Surrogate: 2,4,6-Tribromophenol	25.9		52 %	10-123	02/06/12	02/06/12 14:28	R3QA201
Surrogate: Terphenyl-d14	22.9		91 %	33-141	02/06/12	02/06/12 14:28	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.0	B, J	2.0	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Bromoform	U		1.0	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW26**Lab ID:** 1201015-15**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Toluene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW26**Lab ID:** 1201015-15**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 17:30	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.990		100 %	86-115	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.120		103 %	76-114	02/08/12	02/08/12 17:30	CLP trace/R3QA210
Surrogate: Toluene-d8	4.040		101 %	88-110	02/08/12	02/08/12 17:30	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW35**Lab ID:** 1201015-17**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/01/12	02/01/12 19:42	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/01/12	02/01/12 19:42	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/01/12	02/01/12 19:42	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/01/12	02/01/12 19:42	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/01/12	02/01/12 19:42	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Acenaphthylene	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Acetophenone	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Anthracene	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Atrazine	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Benzaldehyde	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Benzo(a)anthracene	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Benzo(a)pyrene	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
1,1-Biphenyl	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.160</b>	<b>B, J</b>	5.00	1	02/06/12	02/06/12 15:10	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Carbazole	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Caprolactam	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
4-Chloroaniline	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
2-Chloronaphthalene	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
2-Chlorophenol	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Chrysene	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
Dibenzofuran	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201



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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW35**Lab ID:** 1201015-17**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags B, J	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	<b>0.020</b>			5.00	1	02/06/12	02/06/12 15:10	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
Dimethyl phthalate	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.180</b>			5.00	1	02/06/12	02/06/12 15:10	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/06/12	02/06/12 15:10	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
Fluoranthene	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
Fluorene	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
Hexachlorobenzene	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
Hexachlorobutadiene	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
Hexachloroethane	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
Isophorone	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/06/12	02/17/12 11:47	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/06/12	02/17/12 11:47	R3QA201
2-Methylnaphthalene	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
2-Methylphenol	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
4-Methylphenol	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
Naphthalene	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
2-Nitroaniline	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
3-Nitroaniline	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
4-Nitroaniline	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
Nitrobenzene	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
2-Nitrophenol	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
4-Nitrophenol	U			10.0	1	02/06/12	02/06/12 15:10	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
Pentachlorophenol	U			60.0	1	02/06/12	02/06/12 15:10	R3QA201
Phenanthrene	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
Phenol	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
Pyrene	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/06/12	02/06/12 15:10	R3QA201



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350


**Site Name:** Dimock Residential Groundwater

**Project #:** DAS R33907

**Station ID:** HW35

**Lab ID:** 1201015-17

**Sample Matrix:** Drinking Water

**Date Collected:** 01/31/2012

### Semivolatile Organic Compounds Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/06/12	02/06/12 15:10	R3QA201

### Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	21.8		44 %	21-110	02/06/12	02/06/12 15:10	R3QA201
Surrogate: Phenol-d5	30.0		60 %	10-110	02/06/12	02/06/12 15:10	R3QA201
Surrogate: Nitrobenzene-d5	14.1		56 %	35-114	02/06/12	02/06/12 15:10	R3QA201
Surrogate: 2-Fluorobiphenyl	15.0		60 %	43-116	02/06/12	02/06/12 15:10	R3QA201
Surrogate: 2,4,6-Tribromophenol	16.7		33 %	10-123	02/06/12	02/06/12 15:10	R3QA201
Surrogate: Terphenyl-d14	19.4		78 %	33-141	02/06/12	02/06/12 15:10	R3QA201

### Volatile Organic Compounds Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Acetone</b>	<b>0.4</b>	B, J	2.0	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Bromoform	U		1.0	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
<b>Carbon disulfide</b>	<b>0.1</b>	J	0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
<b>Chloroform</b>	<b>0.1</b>	B, J	0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW35**Lab ID:** 1201015-17**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Toluene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW35**Lab ID:** 1201015-17**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 17:58	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.150		104 %	86-115	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.010		100 %	76-114	02/08/12	02/08/12 17:58	CLP trace/R3QA210
Surrogate: Toluene-d8	3.900		98 %	88-110	02/08/12	02/08/12 17:58	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW20**Lab ID:** 1201015-19**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/01/12	02/01/12 20:23	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/01/12	02/01/12 20:23	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/01/12	02/01/12 20:23	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/01/12	02/01/12 20:23	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/01/12	02/01/12 20:23	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
Acenaphthylene	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
Acetophenone	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
Anthracene	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
Atrazine	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
Benzaldehyde	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
Benzo(a)anthracene	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
Benzo(a)pyrene	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
1,1-Biphenyl	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.140</b>	B, J	5.00	1	02/06/12	02/06/12 18:39	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
<b>Butyl benzyl phthalate</b>	<b>0.010</b>	B, J	5.00	1	02/06/12	02/06/12 18:39	R3QA201
Carbazole	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
Caprolactam	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
4-Chloroaniline	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
2-Chloronaphthalene	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
2-Chlorophenol	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
Chrysene	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
Dibenzofuran	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW20**Lab ID:** 1201015-19**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags B, J	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Diethyl phthalate</b>	<b>0.040</b>			5.00	1	02/06/12	02/06/12 18:39	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
Dimethyl phthalate	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.460</b>			5.00	1	02/06/12	02/06/12 18:39	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/06/12	02/06/12 18:39	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
Fluoranthene	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
Fluorene	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
Hexachlorobenzene	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
Hexachlorobutadiene	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
Hexachloroethane	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
Isophorone	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/06/12	02/17/12 14:18	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/06/12	02/17/12 14:18	R3QA201
2-Methylnaphthalene	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
2-Methylphenol	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
4-Methylphenol	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
Naphthalene	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
2-Nitroaniline	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
3-Nitroaniline	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
4-Nitroaniline	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
Nitrobenzene	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
2-Nitrophenol	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
4-Nitrophenol	U			10.0	1	02/06/12	02/06/12 18:39	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
Pentachlorophenol	U			60.0	1	02/06/12	02/06/12 18:39	R3QA201
Phenanthrene	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
Phenol	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
Pyrene	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/06/12	02/06/12 18:39	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW20**Lab ID:** 1201015-19**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/06/12	02/06/12 18:39	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	35.1		70 %	21-110	02/06/12	02/06/12 18:39	R3QA201
Surrogate: Phenol-d5	39.8		80 %	10-110	02/06/12	02/06/12 18:39	R3QA201
Surrogate: Nitrobenzene-d5	19.5		78 %	35-114	02/06/12	02/06/12 18:39	R3QA201
Surrogate: 2-Fluorobiphenyl	18.0		72 %	43-116	02/06/12	02/06/12 18:39	R3QA201
Surrogate: 2,4,6-Tribromophenol	40.4		81 %	10-123	02/06/12	02/06/12 18:39	R3QA201
Surrogate: Terphenyl-d14	21.6		86 %	33-141	02/06/12	02/06/12 18:39	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.3	B, J	2.0	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Benzene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Bromoform	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Chloroform	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW20**Lab ID:** 1201015-19**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		1.0	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Freon 113	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Styrene	U		1.0	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Toluene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW20**Lab ID:** 1201015-19**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/01/12	02/01/12 17:24	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.260		106 %	86-115	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.260		106 %	76-114	02/01/12	02/01/12 17:24	CLP trace/R3QA210
Surrogate: Toluene-d8	4.190		105 %	88-110	02/01/12	02/01/12 17:24	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW20-P**Lab ID:** 1201015-21**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/01/12	02/01/12 20:37	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/01/12	02/01/12 20:37	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/01/12	02/01/12 20:37	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/01/12	02/01/12 20:37	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/01/12	02/01/12 20:37	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Acenaphthylene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Acetophenone	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Anthracene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Atrazine	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Benzaldehyde	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Benzo(a)anthracene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Benzo(a)pyrene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
1,1-Biphenyl	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.070</b>	B, J	5.00	1	02/06/12	02/06/12 19:21	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Carbazole	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Caprolactam	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
4-Chloroaniline	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
2-Chloronaphthalene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
2-Chlorophenol	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Chrysene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Dibenzofuran	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW20-P**Lab ID:** 1201015-21**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Diethyl phthalate</b>	<b>0.020</b>	B, J	5.00	1	02/06/12	02/06/12 19:21	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Dimethyl phthalate	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
2,4-Dinitrophenol	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.170</b>	B, J	5.00	1	02/06/12	02/06/12 19:21	R3QA201
4,6-Dinitro-2-methylphenol	U		10.0	1	02/06/12	02/06/12 19:21	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Fluoranthene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Fluorene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Hexachlorobenzene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Hexachlorobutadiene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Hexachloroethane	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Isophorone	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
2-Methoxyethanol	U	UJ	5.00	1	02/06/12	02/17/12 15:09	R3QA201
1-Methylnaphthalene	U	UJ	5.00	1	02/06/12	02/17/12 15:09	R3QA201
2-Methylnaphthalene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
2-Methylphenol	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
4-Methylphenol	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Naphthalene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
2-Nitroaniline	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
3-Nitroaniline	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
4-Nitroaniline	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Nitrobenzene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
2-Nitrophenol	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
4-Nitrophenol	U		10.0	1	02/06/12	02/06/12 19:21	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Pentachlorophenol	U		60.0	1	02/06/12	02/06/12 19:21	R3QA201
Phenanthrene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Phenol	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
Pyrene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW20-P**Lab ID:** 1201015-21**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/06/12	02/06/12 19:21	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	28.9		58 %	21-110	02/06/12	02/06/12 19:21	R3QA201
Surrogate: Phenol-d5	34.9		70 %	10-110	02/06/12	02/06/12 19:21	R3QA201
Surrogate: Nitrobenzene-d5	16.1		65 %	35-114	02/06/12	02/06/12 19:21	R3QA201
Surrogate: 2-Fluorobiphenyl	17.7		71 %	43-116	02/06/12	02/06/12 19:21	R3QA201
Surrogate: 2,4,6-Tribromophenol	16.8		34 %	10-123	02/06/12	02/06/12 19:21	R3QA201
Surrogate: Terphenyl-d14	22.9		91 %	33-141	02/06/12	02/06/12 19:21	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.4	B, J	2.0	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Benzene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Bromoform	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Chloroform	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW20-P**Lab ID:** 1201015-21**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		1.0	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Freon 113	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Styrene	U		1.0	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Toluene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW20-P**Lab ID:** 1201015-21**Sample Matrix:** Drinking Water**Date Collected:** 01/30/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/01/12	02/01/12 17:51	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.570		114 %	86-115	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.280		107 %	76-114	02/01/12	02/01/12 17:51	CLP trace/R3QA210
Surrogate: Toluene-d8	4.290		107 %	88-110	02/01/12	02/01/12 17:51	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB08**Lab ID:** 1201015-23**Sample Matrix:** Water**Date Collected:** 01/28/2012

**Volatile Organic Compounds**  
**Targets**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Acetone</b>	<b>3.8</b>	J		2.0	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Benzene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Bromoform	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
<b>Chloroform</b>	<b>7.1</b>			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			1.0	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB08**Lab ID:** 1201015-23**Sample Matrix:** Water**Date Collected:** 01/28/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
<b>Methylene Chloride</b>	<b>1.1</b>			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
<b>Naphthalene</b>	<b>0.2</b>	J		0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Styrene	U			1.0	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
<b>Toluene</b>	<b>0.6</b>			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
<b>Trichloroethene</b>	<b>1.3</b>			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
<b>m-Xylene/p-Xylene</b>	<b>0.1</b>	J		1.0	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210
<b>o-Xylene</b>	<b>0.06</b>	J		1.0	1	02/01/12	02/01/12 13:25	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags	%Recovery Qualifiers	%Recovery Limits	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.400		<b>110 %</b>	86-115	02/01/12	02/01/12 13:25		CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	3.760		<b>94 %</b>	76-114	02/01/12	02/01/12 13:25		CLP trace/R3QA210
Surrogate: Toluene-d8	4.210		<b>105 %</b>	88-110	02/01/12	02/01/12 13:25		CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB09**Lab ID:** 1201015-24**Sample Matrix:** Water**Date Collected:** 01/30/2012

**Volatile Organic Compounds**  
**Targets**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Acetone</b>	<b>3.6</b>	J		2.0	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Benzene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Bromoform	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
<b>Chloroform</b>	<b>7.1</b>			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			1.0	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB09**Lab ID:** 1201015-24**Sample Matrix:** Water**Date Collected:** 01/30/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
<b>Methylene Chloride</b>	<b>1.2</b>			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
<b>Naphthalene</b>	<b>0.2</b>	J		0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Styrene	U			1.0	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
<b>Toluene</b>	<b>0.5</b>			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
<b>Trichloroethene</b>	<b>1.1</b>			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
<b>m-Xylene/p-Xylene</b>	<b>0.09</b>	J		1.0	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210
o-Xylene	U			1.0	1	02/01/12	02/01/12 13:57	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags	%Recovery Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.270			<b>107 %</b>	86-115	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.310			<b>108 %</b>	76-114	02/01/12	02/01/12 13:57	CLP trace/R3QA210
Surrogate: Toluene-d8	4.170			<b>104 %</b>	88-110	02/01/12	02/01/12 13:57	CLP trace/R3QA210



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Region 3 Environmental Science Center  
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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW32**Lab ID:** 1201015-25**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/04/12	02/10/12 09:11	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/04/12	02/10/12 09:11	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/04/12	02/10/12 09:11	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/04/12	02/10/12 09:11	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/04/12	02/10/12 09:11	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Acenaphthylene	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Acetophenone	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Anthracene	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Atrazine	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Benzaldehyde	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Benzo(a)anthracene	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Benzo(a)pyrene	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
1,1-Biphenyl	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.050</b>	<b>B, J</b>	5.00	1	02/06/12	02/06/12 20:04	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Carbazole	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Caprolactam	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
4-Chloroaniline	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
2-Chloronaphthalene	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
2-Chlorophenol	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Chrysene	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
Dibenzofuran	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201



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**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags B, J	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Diethyl phthalate</b>	<b>0.010</b>			5.00	1	02/06/12	02/06/12 20:04	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
Dimethyl phthalate	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.110</b>			5.00	1	02/06/12	02/06/12 20:04	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/06/12	02/06/12 20:04	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
Fluoranthene	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
Fluorene	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
Hexachlorobenzene	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
Hexachlorobutadiene	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
Hexachloroethane	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
Isophorone	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/06/12	02/17/12 15:59	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/06/12	02/17/12 15:59	R3QA201
2-Methylnaphthalene	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
2-Methylphenol	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
4-Methylphenol	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
Naphthalene	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
2-Nitroaniline	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
3-Nitroaniline	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
4-Nitroaniline	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
Nitrobenzene	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
2-Nitrophenol	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
4-Nitrophenol	U			10.0	1	02/06/12	02/06/12 20:04	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
Pentachlorophenol	U			60.0	1	02/06/12	02/06/12 20:04	R3QA201
Phenanthrene	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
Phenol	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
Pyrene	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/06/12	02/06/12 20:04	R3QA201



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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW32**Lab ID:** 1201015-25**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/06/12	02/06/12 20:04	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	28.2		56 %	21-110	02/06/12	02/06/12 20:04	R3QA201
Surrogate: Phenol-d5	32.8		66 %	10-110	02/06/12	02/06/12 20:04	R3QA201
Surrogate: Nitrobenzene-d5	15.4		62 %	35-114	02/06/12	02/06/12 20:04	R3QA201
Surrogate: 2-Fluorobiphenyl	16.2		65 %	43-116	02/06/12	02/06/12 20:04	R3QA201
Surrogate: 2,4,6-Tribromophenol	34.3		69 %	10-123	02/06/12	02/06/12 20:04	R3QA201
Surrogate: Terphenyl-d14	22.9		92 %	33-141	02/06/12	02/06/12 20:04	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Bromoform	U		1.0	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210



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**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Toluene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210

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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW32**Lab ID:** 1201015-25**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 18:26	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.910		98 %	86-115	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.060		102 %	76-114	02/08/12	02/08/12 18:26	CLP trace/R3QA210
Surrogate: Toluene-d8	3.970		99 %	88-110	02/08/12	02/08/12 18:26	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW32-P**Lab ID:** 1201015-26**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/04/12	02/04/12 11:31	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/04/12	02/04/12 11:31	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/04/12	02/04/12 11:31	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/04/12	02/04/12 11:31	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/04/12	02/04/12 11:31	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Acenaphthylene	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Acetophenone	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
<b>Anthracene</b>	<b>0.070</b>	J	5.00	1	02/06/12	02/06/12 20:46	R3QA201
Atrazine	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Benzaldehyde	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Benzo(a)anthracene	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Benzo(a)pyrene	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
1,1-Biphenyl	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.100</b>	B, J	5.00	1	02/06/12	02/06/12 20:46	R3QA201
<b>4-Bromophenyl phenyl ether</b>	<b>0.050</b>	J	5.00	1	02/06/12	02/06/12 20:46	R3QA201
<b>Butyl benzyl phthalate</b>	<b>0.030</b>	B, J	5.00	1	02/06/12	02/06/12 20:46	R3QA201
<b>Carbazole</b>	<b>0.090</b>	J	5.00	1	02/06/12	02/06/12 20:46	R3QA201
Caprolactam	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
4-Chloroaniline	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
2-Chloronaphthalene	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
2-Chlorophenol	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Chrysene	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Dibenzofuran	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/06/12	02/06/12 20:46	R3QA201
<b>Diethyl phthalate</b>	<b>0.080</b>	B, J	5.00	1	02/06/12	02/06/12 20:46	R3QA201



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701 Mapes Road  
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW32-P**Lab ID:** 1201015-26**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4-Dichlorophenol	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
<b>Dimethyl phthalate</b>	<b>0.040</b>	J		5.00	1	02/06/12	02/06/12 20:46	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.290</b>	B, J		5.00	1	02/06/12	02/06/12 20:46	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/06/12	02/06/12 20:46	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
<b>Di-n-octyl phthalate</b>	<b>0.020</b>	J		5.00	1	02/06/12	02/06/12 20:46	R3QA201
<b>Fluoranthene</b>	<b>0.090</b>	J		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Fluorene	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
<b>Hexachlorobenzene</b>	<b>0.080</b>	J		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Hexachlorobutadiene	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
Hexachloroethane	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
Indeno(1,2,3-ed)pyrene	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
Isophorone	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/06/12	02/17/12 16:50	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/06/12	02/17/12 16:50	R3QA201
2-Methylnaphthalene	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
2-Methylphenol	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
4-Methylphenol	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
Naphthalene	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
2-Nitroaniline	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
3-Nitroaniline	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
4-Nitroaniline	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
Nitrobenzene	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
2-Nitrophenol	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
4-Nitrophenol	U			10.0	1	02/06/12	02/06/12 20:46	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
<b>N-Nitrosodiphenylamine</b>	<b>0.050</b>	J		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Pentachlorophenol	U			60.0	1	02/06/12	02/06/12 20:46	R3QA201
<b>Phenanthrene</b>	<b>0.090</b>	J		5.00	1	02/06/12	02/06/12 20:46	R3QA201
Phenol	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
<b>Pyrene</b>	<b>0.100</b>	J		5.00	1	02/06/12	02/06/12 20:46	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201
2,4,6-Trichlorophenol	U			5.00	1	02/06/12	02/06/12 20:46	R3QA201



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Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW32-P**Lab ID:** 1201015-26**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Semivolatile Organic Compounds****Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	26.5		53 %	21-110	02/06/12	02/06/12 20:46	R3QA201
Surrogate: Phenol-d5	31.4		63 %	10-110	02/06/12	02/06/12 20:46	R3QA201
Surrogate: Nitrobenzene-d5	15.6		62 %	35-114	02/06/12	02/06/12 20:46	R3QA201
Surrogate: 2-Fluorobiphenyl	15.6		63 %	43-116	02/06/12	02/06/12 20:46	R3QA201
Surrogate: 2,4,6-Tribromophenol	31.4		63 %	10-123	02/06/12	02/06/12 20:46	R3QA201
Surrogate: Terphenyl-d14	18.6		74 %	33-141	02/06/12	02/06/12 20:46	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.9	B, J	2.0	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Bromoform	U		1.0	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		2.0	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
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Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW32-P**Lab ID:** 1201015-26**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Toluene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW32-P**Lab ID:** 1201015-26**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 18:54	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.830		96 %	86-115	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.050		101 %	76-114	02/08/12	02/08/12 18:54	CLP trace/R3QA210
Surrogate: Toluene-d8	3.980		100 %	88-110	02/08/12	02/08/12 18:54	CLP trace/R3QA210



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB13**Lab ID:** 1201015-28**Sample Matrix:** Water**Date Collected:** 02/01/2012

**Volatile Organic Compounds**  
**Targets**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	2.5	J		2.0	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Benzene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Bromoform	U			1.0	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
<b>Chloroform</b>	<b>0.1</b>	<b>J</b>		0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB13**Lab ID:** 1201015-28**Sample Matrix:** Water**Date Collected:** 02/01/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Methyl Acetate	U			1.0	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Styrene	U			1.0	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
<b>Toluene</b>	<b>0.06</b>	J		0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210
<b>o-Xylene</b>	<b>0.1</b>	J		1.0	1	02/08/12	02/08/12 14:44	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.120			103 %	86-115	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	3.960			99 %	76-114	02/08/12	02/08/12 14:44	CLP trace/R3QA210
Surrogate: Toluene-d8	3.960			99 %	88-110	02/08/12	02/08/12 14:44	CLP trace/R3QA210



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701 Mapes Road  
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW33**Lab ID:** 1201015-30**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/04/12	02/04/12 11:45	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/04/12	02/04/12 11:45	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/04/12	02/04/12 11:45	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/04/12	02/04/12 11:45	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/04/12	02/04/12 11:45	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Acenaphthylene	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Acetophenone	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Anthracene	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Atrazine	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Benzaldehyde	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Benzo(a)anthracene	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Benzo(a)pyrene	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
1,1-Biphenyl	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.940</b>	<b>B, J</b>	5.00	1	02/06/12	02/06/12 21:29	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Carbazole	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Caprolactam	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
4-Chloroaniline	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
2-Chloronaphthalene	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
2-Chlorophenol	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Chrysene	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
Dibenzofuran	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201



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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW33**Lab ID:** 1201015-30**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags B, J	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Diethyl phthalate</b>	<b>0.020</b>			5.00	1	02/06/12	02/06/12 21:29	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
Dimethyl phthalate	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.210</b>			5.00	1	02/06/12	02/06/12 21:29	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/06/12	02/06/12 21:29	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
Fluoranthene	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
Fluorene	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
Hexachlorobenzene	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
Hexachlorobutadiene	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
Hexachloroethane	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
Isophorone	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/06/12	02/17/12 17:40	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/06/12	02/17/12 17:40	R3QA201
2-Methylnaphthalene	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
2-Methylphenol	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
4-Methylphenol	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
Naphthalene	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
2-Nitroaniline	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
3-Nitroaniline	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
4-Nitroaniline	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
Nitrobenzene	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
2-Nitrophenol	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
4-Nitrophenol	U			10.0	1	02/06/12	02/06/12 21:29	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
Pentachlorophenol	U			60.0	1	02/06/12	02/06/12 21:29	R3QA201
Phenanthrene	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
Phenol	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
Pyrene	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/06/12	02/06/12 21:29	R3QA201



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW33**Lab ID:** 1201015-30**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/06/12	02/06/12 21:29	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	32.1		64 %	21-110	02/06/12	02/06/12 21:29	R3QA201
Surrogate: Phenol-d5	36.9		74 %	10-110	02/06/12	02/06/12 21:29	R3QA201
Surrogate: Nitrobenzene-d5	18.4		73 %	35-114	02/06/12	02/06/12 21:29	R3QA201
Surrogate: 2-Fluorobiphenyl	18.1		73 %	43-116	02/06/12	02/06/12 21:29	R3QA201
Surrogate: 2,4,6-Tribromophenol	38.7		77 %	10-123	02/06/12	02/06/12 21:29	R3QA201
Surrogate: Terphenyl-d14	21.1		84 %	33-141	02/06/12	02/06/12 21:29	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.4	B, J	2.0	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Bromoform	U		1.0	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW33**Lab ID:** 1201015-30**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Toluene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW33**Lab ID:** 1201015-30**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 19:22	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.040		101 %	86-115	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.040		101 %	76-114	02/08/12	02/08/12 19:22	CLP trace/R3QA210
Surrogate: Toluene-d8	4.000		100 %	88-110	02/08/12	02/08/12 19:22	CLP trace/R3QA210



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW33a-P**Lab ID:** 1201015-31**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/04/12	02/04/12 11:58	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/04/12	02/04/12 11:58	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/04/12	02/04/12 11:58	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/04/12	02/04/12 11:58	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/04/12	02/04/12 11:58	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
Acenaphthylene	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
Acetophenone	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
Anthracene	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
Atrazine	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
Benzaldehyde	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
Benzo(a)anthracene	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
Benzo(a)pyrene	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
1,1-Biphenyl	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.870</b>	<b>B, J</b>	5.00	1	02/06/12	02/06/12 22:12	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
<b>Butyl benzyl phthalate</b>	<b>0.020</b>	<b>B, J</b>	5.00	1	02/06/12	02/06/12 22:12	R3QA201
Carbazole	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
Caprolactam	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
4-Chloroaniline	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
2-Chloronaphthalene	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
2-Chlorophenol	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
Chrysene	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
Dibenzofuran	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201



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Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW33a-P**Lab ID:** 1201015-31**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags B, J	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	<b>0.010</b>			5.00	1	02/06/12	02/06/12 22:12	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
Dimethyl phthalate	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.260</b>			5.00	1	02/06/12	02/06/12 22:12	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/06/12	02/06/12 22:12	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
Fluoranthene	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
Fluorene	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
Hexachlorobenzene	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
Hexachlorobutadiene	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
Hexachloroethane	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
Isophorone	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
2-Methoxyethanol	U	UJ		5.00	1	02/06/12	02/17/12 18:30	R3QA201
1-Methylnaphthalene	U	UJ		5.00	1	02/06/12	02/17/12 18:30	R3QA201
2-Methylnaphthalene	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
2-Methylphenol	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
4-Methylphenol	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
Naphthalene	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
2-Nitroaniline	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
3-Nitroaniline	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
4-Nitroaniline	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
Nitrobenzene	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
2-Nitrophenol	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
4-Nitrophenol	U			10.0	1	02/06/12	02/06/12 22:12	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
Pentachlorophenol	U			60.0	1	02/06/12	02/06/12 22:12	R3QA201
Phenanthrene	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
Phenol	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
Pyrene	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/06/12	02/06/12 22:12	R3QA201



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Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



**Site Name:** Dimock Residential Groundwater

**Project #:** DAS R33907

**Station ID:** HW33a-P

**Lab ID:** 1201015-31

**Sample Matrix:** Drinking Water

**Date Collected:** 02/01/2012

### Semivolatile Organic Compounds Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/06/12	02/06/12 22:12	R3QA201

### Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	36.4		73 %	21-110	02/06/12	02/06/12 22:12	R3QA201
Surrogate: Phenol-d5	41.0		82 %	10-110	02/06/12	02/06/12 22:12	R3QA201
Surrogate: Nitrobenzene-d5	19.9		80 %	35-114	02/06/12	02/06/12 22:12	R3QA201
Surrogate: 2-Fluorobiphenyl	19.5		78 %	43-116	02/06/12	02/06/12 22:12	R3QA201
Surrogate: 2,4,6-Tribromophenol	39.8		80 %	10-123	02/06/12	02/06/12 22:12	R3QA201
Surrogate: Terphenyl-d14	22.2		89 %	33-141	02/06/12	02/06/12 22:12	R3QA201

### Volatile Organic Compounds Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.1	B, J	2.0	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Bromoform	U		1.0	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW33a-P**Lab ID:** 1201015-31**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Toluene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW33a-P**Lab ID:** 1201015-31**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.130		103 %	86-115	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.010		100 %	76-114	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Surrogate: Toluene-d8	3.940		98 %	88-110	02/08/12	02/08/12 19:50	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW33b-P**Lab ID:** 1201015-33**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/04/12	02/04/12 12:12	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/04/12	02/04/12 12:12	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/04/12	02/04/12 12:12	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/04/12	02/04/12 12:12	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/04/12	02/04/12 12:12	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Acenaphthylene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Acetophenone	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Anthracene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Atrazine	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Benzaldehyde	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Benzo(a)anthracene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Benzo(a)pyrene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
1,1-Biphenyl	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.740</b>	B, J	5.00	1	02/06/12	02/06/12 22:54	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
<b>Butyl benzyl phthalate</b>	<b>0.010</b>	B, J	5.00	1	02/06/12	02/06/12 22:54	R3QA201
Carbazole	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Caprolactam	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
4-Chloroaniline	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
2-Chloronaphthalene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
2-Chlorophenol	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Chrysene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Dibenzofuran	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW33b-P**Lab ID:** 1201015-33**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	<b>0.020</b>	B, J	5.00	1	02/06/12	02/06/12 22:54	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Dimethyl phthalate	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
2,4-Dinitrophenol	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Di-n-butyl phthalate	<b>0.420</b>	B, J	5.00	1	02/06/12	02/06/12 22:54	R3QA201
4,6-Dinitro-2-methylphenol	U		10.0	1	02/06/12	02/06/12 22:54	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Fluoranthene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Fluorene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Hexachlorobenzene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Hexachlorobutadiene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Hexachloroethane	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Isophorone	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
2-Methoxyethanol	U	UJ	5.00	1	02/06/12	02/17/12 19:21	R3QA201
1-Methylnaphthalene	U	UJ	5.00	1	02/06/12	02/17/12 19:21	R3QA201
2-Methylnaphthalene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
2-Methylphenol	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
4-Methylphenol	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Naphthalene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
2-Nitroaniline	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
3-Nitroaniline	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
4-Nitroaniline	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Nitrobenzene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
2-Nitrophenol	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
4-Nitrophenol	U		10.0	1	02/06/12	02/06/12 22:54	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Pentachlorophenol	U		60.0	1	02/06/12	02/06/12 22:54	R3QA201
Phenanthrene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Phenol	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
Pyrene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW33b-P**Lab ID:** 1201015-33**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/06/12	02/06/12 22:54	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	31.5		63 %	21-110	02/06/12	02/06/12 22:54	R3QA201
Surrogate: Phenol-d5	37.8		76 %	10-110	02/06/12	02/06/12 22:54	R3QA201
Surrogate: Nitrobenzene-d5	18.7		75 %	35-114	02/06/12	02/06/12 22:54	R3QA201
Surrogate: 2-Fluorobiphenyl	18.2		73 %	43-116	02/06/12	02/06/12 22:54	R3QA201
Surrogate: 2,4,6-Tribromophenol	34.0		68 %	10-123	02/06/12	02/06/12 22:54	R3QA201
Surrogate: Terphenyl-d14	22.4		90 %	33-141	02/06/12	02/06/12 22:54	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	2.2	B, J	2.0	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Bromoform	U		1.0	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW33b-P**Lab ID:** 1201015-33**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Toluene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW33b-P**Lab ID:** 1201015-33**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 20:17	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.080		102 %	86-115	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.150		104 %	76-114	02/08/12	02/08/12 20:17	CLP trace/R3QA210
Surrogate: Toluene-d8	3.920		98 %	88-110	02/08/12	02/08/12 20:17	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB12**Lab ID:** 1201015-35**Sample Matrix:** Water**Date Collected:** 02/01/2012

**Volatile Organic Compounds**  
**Targets**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.9	J		2.0	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Benzene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Bromoform	U			1.0	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
<b>Chloroform</b>	<b>0.1</b>	<b>J</b>		0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB12**Lab ID:** 1201015-35**Sample Matrix:** Water**Date Collected:** 02/01/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Methyl Acetate	U			1.0	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Styrene	U			1.0	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
<b>Toluene</b>	<b>0.07</b>	J		0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210
<b>o-Xylene</b>	<b>0.1</b>	J		1.0	1	02/08/12	02/08/12 15:12	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.040			<b>101 %</b>	86-115	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	3.920			<b>98 %</b>	76-114	02/08/12	02/08/12 15:12	CLP trace/R3QA210
Surrogate: Toluene-d8	4.140			<b>104 %</b>	88-110	02/08/12	02/08/12 15:12	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW29z**Lab ID:** 1201015-37**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/04/12	02/04/12 12:26	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/04/12	02/04/12 12:26	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/04/12	02/04/12 12:26	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/04/12	02/04/12 12:26	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/04/12	02/04/12 12:26	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Acenaphthylene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Acetophenone	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Anthracene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Atrazine	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Benzaldehyde	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Benzo(a)anthracene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Benzo(a)pyrene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
1,1-Biphenyl	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>2.14</b>	B, J	5.00	1	02/06/12	02/06/12 23:37	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
<b>Butyl benzyl phthalate</b>	<b>0.050</b>	B, J	5.00	1	02/06/12	02/06/12 23:37	R3QA201
Carbazole	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Caprolactam	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
4-Chloroaniline	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
2-Chloronaphthalene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
2-Chlorophenol	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Chrysene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Dibenzofuran	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW29z**Lab ID:** 1201015-37**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Diethyl phthalate</b>	<b>0.040</b>	B, J	5.00	1	02/06/12	02/06/12 23:37	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Dimethyl phthalate	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
2,4-Dinitrophenol	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.640</b>	B, J	5.00	1	02/06/12	02/06/12 23:37	R3QA201
4,6-Dinitro-2-methylphenol	U		10.0	1	02/06/12	02/06/12 23:37	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
<b>Di-n-octyl phthalate</b>	<b>0.020</b>	J	5.00	1	02/06/12	02/06/12 23:37	R3QA201
Fluoranthene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Fluorene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Hexachlorobenzene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Hexachlorobutadiene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Hexachloroethane	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Isophorone	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
2-Methoxyethanol	U	UJ	5.00	1	02/06/12	02/17/12 20:11	R3QA201
1-Methylnaphthalene	U	UJ	5.00	1	02/06/12	02/17/12 20:11	R3QA201
<b>2-Methylnaphthalene</b>	<b>0.060</b>	B, J	5.00	1	02/06/12	02/06/12 23:37	R3QA201
2-Methylphenol	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
4-Methylphenol	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Naphthalene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
2-Nitroaniline	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
3-Nitroaniline	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
4-Nitroaniline	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Nitrobenzene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
2-Nitrophenol	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
4-Nitrophenol	U		10.0	1	02/06/12	02/06/12 23:37	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Pentachlorophenol	U		60.0	1	02/06/12	02/06/12 23:37	R3QA201
Phenanthrene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Phenol	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
Pyrene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201

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Region 3 Environmental Science Center  
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW29z**Lab ID:** 1201015-37**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/06/12	02/06/12 23:37	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	33.9		68 %	21-110	02/06/12	02/06/12 23:37	R3QA201
Surrogate: Phenol-d5	35.9		72 %	10-110	02/06/12	02/06/12 23:37	R3QA201
Surrogate: Nitrobenzene-d5	21.3		85 %	35-114	02/06/12	02/06/12 23:37	R3QA201
Surrogate: 2-Fluorobiphenyl	18.1		72 %	43-116	02/06/12	02/06/12 23:37	R3QA201
Surrogate: 2,4,6-Tribromophenol	48.1		96 %	10-123	02/06/12	02/06/12 23:37	R3QA201
Surrogate: Terphenyl-d14	20.6		83 %	33-141	02/06/12	02/06/12 23:37	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Acetone</b>	<b>2.8</b>	B, J	2.0	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Benzene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Bromoform	U		1.0	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
<b>Carbon disulfide</b>	<b>0.1</b>	J	0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Chloroform	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW29z**Lab ID:** 1201015-37**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Freon 113	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Styrene	U		1.0	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Toluene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW29z**Lab ID:** 1201015-37**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
<b>m-Xylene/p-Xylene</b>	<b>0.1</b>	B, J	1.0	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/09/12	02/09/12 10:29	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.920		98 %	86-115	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.110		103 %	76-114	02/09/12	02/09/12 10:29	CLP trace/R3QA210
Surrogate: Toluene-d8	3.890		97 %	88-110	02/09/12	02/09/12 10:29	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW29**Lab ID:** 1201015-39**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/04/12	02/04/12 12:40	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/04/12	02/04/12 12:40	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/04/12	02/04/12 12:40	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/04/12	02/04/12 12:40	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/04/12	02/04/12 12:40	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Acenaphthylene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
<b>Acetophenone</b>	<b>0.020</b>	B, J	5.00	1	02/06/12	02/07/12 00:20	R3QA201
Anthracene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Atrazine	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Benzaldehyde	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Benzo(a)anthracene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Benzo(a)pyrene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
1,1-Biphenyl	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.820</b>	B, J	5.00	1	02/06/12	02/07/12 00:20	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
<b>Butyl benzyl phthalate</b>	<b>0.040</b>	B, J	5.00	1	02/06/12	02/07/12 00:20	R3QA201
Carbazole	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Caprolactam	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
4-Chloroaniline	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
2-Chloronaphthalene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
2-Chlorophenol	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Chrysene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Dibenzofuran	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW29**Lab ID:** 1201015-39**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Diethyl phthalate</b>	<b>0.020</b>	B, J	5.00	1	02/06/12	02/07/12 00:20	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Dimethyl phthalate	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
2,4-Dinitrophenol	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.330</b>	B, J	5.00	1	02/06/12	02/07/12 00:20	R3QA201
4,6-Dinitro-2-methylphenol	U		10.0	1	02/06/12	02/07/12 00:20	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Fluoranthene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Fluorene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Hexachlorobenzene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Hexachlorobutadiene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Hexachloroethane	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Isophorone	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
2-Methoxyethanol	U	UJ	5.00	1	02/06/12	02/17/12 21:01	R3QA201
1-Methylnaphthalene	U	UJ	5.00	1	02/06/12	02/17/12 21:01	R3QA201
<b>2-Methylnaphthalene</b>	<b>0.040</b>	B, J	5.00	1	02/06/12	02/07/12 00:20	R3QA201
2-Methylphenol	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
4-Methylphenol	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Naphthalene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
2-Nitroaniline	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
3-Nitroaniline	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
4-Nitroaniline	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Nitrobenzene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
2-Nitrophenol	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
4-Nitrophenol	U		10.0	1	02/06/12	02/07/12 00:20	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
<b>N-Nitrosodiphenylamine</b>	<b>0.010</b>	J	5.00	1	02/06/12	02/07/12 00:20	R3QA201
Pentachlorophenol	U		60.0	1	02/06/12	02/07/12 00:20	R3QA201
Phenanthrene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Phenol	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
Pyrene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW29**Lab ID:** 1201015-39**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/06/12	02/07/12 00:20	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	32.8		66 %	21-110	02/06/12	02/07/12 00:20	R3QA201
Surrogate: Phenol-d5	38.1		76 %	10-110	02/06/12	02/07/12 00:20	R3QA201
Surrogate: Nitrobenzene-d5	19.0		76 %	35-114	02/06/12	02/07/12 00:20	R3QA201
Surrogate: 2-Fluorobiphenyl	18.4		74 %	43-116	02/06/12	02/07/12 00:20	R3QA201
Surrogate: 2,4,6-Tribromophenol	44.7		89 %	10-123	02/06/12	02/07/12 00:20	R3QA201
Surrogate: Terphenyl-d14	21.4		86 %	33-141	02/06/12	02/07/12 00:20	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Acetone</b>	<b>3.3</b>	B, J	2.0	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Benzene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Bromoform	U		1.0	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
<b>Carbon disulfide</b>	<b>0.4</b>	J	0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Chloroform	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW29**Lab ID:** 1201015-39**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Freon 113	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Styrene	U		1.0	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Toluene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210

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Region 3 Environmental Science Center  
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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW29**Lab ID:** 1201015-39**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
<b>m-Xylene/p-Xylene</b>	<b>0.1</b>	B, J	1.0	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/09/12	02/09/12 10:56	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.920		98 %	86-115	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.130		103 %	76-114	02/09/12	02/09/12 10:56	CLP trace/R3QA210
Surrogate: Toluene-d8	3.840		96 %	88-110	02/09/12	02/09/12 10:56	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW52**Lab ID:** 1201015-41**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/04/12	02/04/12 12:53	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/04/12	02/04/12 12:53	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/04/12	02/04/12 12:53	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/04/12	02/04/12 12:53	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/04/12	02/04/12 12:53	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Acenaphthylene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Acetophenone	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Anthracene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Atrazine	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Benzaldehyde	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Benzo(a)anthracene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Benzo(a)pyrene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Benzo(b)fluoranthene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Benzo(ghi)perylene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Benzo(k)fluoranthene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
1,1-Biphenyl	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Bis(2-chloroethoxy)methane	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Bis(2-chloroethyl)ether	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Bis(2-chloroisopropyl)ether	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>2.22</b>	<b>B, J</b>	<b>5.00</b>	<b>1</b>	<b>02/06/12</b>	<b>02/07/12 09:23</b>	<b>R3QA201</b>
4-Bromophenyl phenyl ether	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Butyl benzyl phthalate	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Carbazole	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Caprolactam	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
4-Chloro-3-methylphenol	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
2-Chloronaphthalene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
2-Chlorophenol	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
4-Chlorophenyl phenyl ether	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Chrysene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Dibenz(a,h)anthracene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
Dibenzofuran	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201
3,3'-Dichlorobenzidine	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW52**Lab ID:** 1201015-41**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Diethyl phthalate</b>	<b>0.110</b>	B, J	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
2,4-Dichlorophenol	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
2,4-Dimethylphenol	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
Dimethyl phthalate	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
2,4-Dinitrophenol	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
<b>Di-n-butyl phthalate</b>	<b>2.20</b>	B, J	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
4,6-Dinitro-2-methylphenol	U	UJ	10.0	1	02/06/12	02/07/12 09:23	R3QA201	
2,4-Dinitrotoluene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
2,6-Dinitrotoluene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
Di-n-octyl phthalate	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
Fluoranthene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
Fluorene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
Hexachlorobenzene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
Hexachlorobutadiene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
Hexachlorocyclopentadiene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
Hexachloroethane	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
Indeno(1,2,3-cd)pyrene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
Isophorone	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
2-Methoxyethanol	U	UJ	5.00	1	02/06/12	02/17/12 21:52	R3QA201	
1-Methylnaphthalene	U	UJ	5.00	1	02/06/12	02/17/12 21:52	R3QA201	
<b>2-Methylnaphthalene</b>	<b>0.050</b>	B, J	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
2-Methylphenol	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
4-Methylphenol	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
<b>Naphthalene</b>	<b>0.060</b>	B, J	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
2-Nitroaniline	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
3-Nitroaniline	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
4-Nitroaniline	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
Nitrobenzene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
2-Nitrophenol	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
4-Nitrophenol	U	UJ	10.0	1	02/06/12	02/07/12 09:23	R3QA201	
N-Nitrosodimethylamine	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
N-Nitroso-di-n-propylamine	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
N-Nitrosodiphenylamine	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
Pentachlorophenol	U	UJ	60.0	1	02/06/12	02/07/12 09:23	R3QA201	
Phenanthrene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
Phenol	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
Pyrene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
1,2,4,5-Tetrachlorobenzene	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
2,3,4,6-Tetrachlorophenol	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	
2,4,5-Trichlorophenol	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201	

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW52**Lab ID:** 1201015-41**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U	UJ	5.00	1	02/06/12	02/07/12 09:23	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	6.12	A	12 %	21-110	02/06/12	02/07/12 09:23	R3QA201
Surrogate: Phenol-d5	7.29		15 %	10-110	02/06/12	02/07/12 09:23	R3QA201
Surrogate: Nitrobenzene-d5	3.73	A	15 %	35-114	02/06/12	02/07/12 09:23	R3QA201
Surrogate: 2-Fluorobiphenyl	3.75	A	15 %	43-116	02/06/12	02/07/12 09:23	R3QA201
Surrogate: 2,4,6-Tribromophenol	6.98		14 %	10-123	02/06/12	02/07/12 09:23	R3QA201
Surrogate: Terphenyl-d14	4.79	A	19 %	33-141	02/06/12	02/07/12 09:23	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Acetone</b>	<b>1.5</b>	B, J	2.0	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Benzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Bromoform	U		1.0	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
<b>Chloroform</b>	<b>0.2</b>	B, J	0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW52**Lab ID:** 1201015-41**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Freon 113	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Styrene	U		1.0	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Toluene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW52**Lab ID:** 1201015-41**Sample Matrix:** Drinking Water**Date Collected:** 01/31/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.950		99 %	86-115	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.120		103 %	76-114	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Surrogate: Toluene-d8	3.930		98 %	88-110	02/09/12	02/09/12 11:24	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB07**Lab ID:** 1201015-43**Sample Matrix:** Water**Date Collected:** 01/31/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/04/12	02/04/12 13:07	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/04/12	02/04/12 13:07	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/04/12	02/04/12 13:07	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/04/12	02/04/12 13:07	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/04/12	02/04/12 13:07	EPA 8015D/R3QA203

**Semivolatile Organic Compounds****Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Acenaphthylene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Acetophenone	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Anthracene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Atrazine	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Benzaldehyde	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Benzo(a)anthracene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Benzo(a)pyrene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
1,1-Biphenyl	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
<b>Bis(2-ethylhexyl)phthalate</b>	<b>0.540</b>	<b>B, J</b>	5.00	1	02/06/12	02/07/12 10:05	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Carbazole	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Caprolactam	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
4-Chloroaniline	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
2-Chloronaphthalene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
2-Chlorophenol	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Chrysene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Dibenzofuran	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB07**Lab ID:** 1201015-43**Sample Matrix:** Water**Date Collected:** 01/31/2012

**Semivolatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Diethyl phthalate</b>	<b>0.040</b>	B, J	5.00	1	02/06/12	02/07/12 10:05	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Dimethyl phthalate	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
2,4-Dinitrophenol	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
<b>Di-n-butyl phthalate</b>	<b>0.510</b>	B, J	5.00	1	02/06/12	02/07/12 10:05	R3QA201
4,6-Dinitro-2-methylphenol	U		10.0	1	02/06/12	02/07/12 10:05	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Fluoranthene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Fluorene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Hexachlorobenzene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Hexachlorobutadiene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Hexachloroethane	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Isophorone	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
2-Methoxyethanol	U	UJ	5.00	1	02/06/12	02/18/12 12:24	R3QA201
1-Methylnaphthalene	U		5.00	1	02/06/12	02/18/12 12:24	R3QA201
2-Methylnaphthalene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
2-Methylphenol	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
4-Methylphenol	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Naphthalene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
2-Nitroaniline	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
3-Nitroaniline	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
4-Nitroaniline	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Nitrobenzene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
2-Nitrophenol	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
4-Nitrophenol	U		10.0	1	02/06/12	02/07/12 10:05	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Pentachlorophenol	U		60.0	1	02/06/12	02/07/12 10:05	R3QA201
Phenanthrene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Phenol	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
Pyrene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201

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Region 3 Environmental Science Center  
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701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB07**Lab ID:** 1201015-43**Sample Matrix:** Water**Date Collected:** 01/31/2012**Semivolatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/06/12	02/07/12 10:05	R3QA201

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	31.3		63 %	21-110	02/06/12	02/07/12 10:05	R3QA201
Surrogate: Phenol-d5	36.3		73 %	10-110	02/06/12	02/07/12 10:05	R3QA201
Surrogate: Nitrobenzene-d5	18.6		74 %	35-114	02/06/12	02/07/12 10:05	R3QA201
Surrogate: 2-Fluorobiphenyl	17.0		68 %	43-116	02/06/12	02/07/12 10:05	R3QA201
Surrogate: 2,4,6-Tribromophenol	39.2		78 %	10-123	02/06/12	02/07/12 10:05	R3QA201
Surrogate: Terphenyl-d14	21.2		85 %	33-141	02/06/12	02/07/12 10:05	R3QA201

**Volatile Organic Compounds  
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.1	J	2.0	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Bromoform	U		1.0	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Chloroform	0.09	J	0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB07**Lab ID:** 1201015-43**Sample Matrix:** Water**Date Collected:** 01/31/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		2.0	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Methyl Acetate	U		1.0	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Toluene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210

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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB07**Lab ID:** 1201015-43**Sample Matrix:** Water**Date Collected:** 01/31/2012**Volatile Organic Compounds  
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210
<b>o-Xylene</b>	<b>0.1</b>	J	1.0	1	02/08/12	02/08/12 15:39	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.110		103 %	86-115	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	3.840		96 %	76-114	02/08/12	02/08/12 15:39	CLP trace/R3QA210
Surrogate: Toluene-d8	4.030		101 %	88-110	02/08/12	02/08/12 15:39	CLP trace/R3QA210



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB10**Lab ID:** 1201015-45**Sample Matrix:** Water**Date Collected:** 01/31/2012

**Volatile Organic Compounds**  
**Targets**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	<b>2.6</b>	J		2.0	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Benzene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Bromoform	U			1.0	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
<b>Chloroform</b>	<b>6.4</b>			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210

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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB10**Lab ID:** 1201015-45**Sample Matrix:** Water**Date Collected:** 01/31/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Methyl Acetate	U			1.0	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
<b>Methylene Chloride</b>	<b>0.9</b>			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Styrene	U			1.0	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
<b>Toluene</b>	<b>0.4</b>	J		0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
<b>Trichloroethene</b>	<b>0.8</b>			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210
o-Xylene	U			1.0	1	02/08/12	02/08/12 16:07	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags	%Recovery Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.360			<b>109 %</b>	86-115	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	3.930			<b>98 %</b>	76-114	02/08/12	02/08/12 16:07	CLP trace/R3QA210
Surrogate: Toluene-d8	3.900			<b>98 %</b>	88-110	02/08/12	02/08/12 16:07	CLP trace/R3QA210



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Region 3 Environmental Science Center  
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB11**Lab ID:** 1201015-46**Sample Matrix:** Water**Date Collected:** 01/31/2012

**Volatile Organic Compounds**  
**Targets**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
<b>Acetone</b>	<b>2.0</b>	J		2.0	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Benzene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Bromoform	U			1.0	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
<b>Chloroform</b>	<b>6.7</b>			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			2.0	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210

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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB11**Lab ID:** 1201015-46**Sample Matrix:** Water**Date Collected:** 01/31/2012

**Volatile Organic Compounds**  
**Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Methyl Acetate	U			1.0	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
<b>Methylene Chloride</b>	<b>2.0</b>			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
<b>Naphthalene</b>	<b>0.07</b>	J		0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Styrene	U			1.0	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
<b>Toluene</b>	<b>0.5</b>			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
<b>Trichloroethene</b>	<b>0.8</b>			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210
o-Xylene	U			1.0	1	02/08/12	02/08/12 16:35	CLP trace/R3QA210

**Surrogates**

Analyte	Result ug/L	Flags	%Recovery Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.200			<b>105 %</b>	86-115	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.090			<b>102 %</b>	76-114	02/08/12	02/08/12 16:35	CLP trace/R3QA210
Surrogate: Toluene-d8	3.980			<b>100 %</b>	88-110	02/08/12	02/08/12 16:35	CLP trace/R3QA210



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Project #: DAS R33907

**Tentatively Identified Compound (TIC) Report**  
**Semivolatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-01**Station ID:** EB01**Sample Matrix:** Water**Collected:** 01/28/2012

NA	unknown (01)	19.7	T	6.44	02/02/12 18:37	R3QA201
82304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,9-dien	2.66	T	9.32	02/02/12 18:37	R3QA201
NA	unknown (02)	2.79	T	17.02	02/02/12 18:37	R3QA201

**Volatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-01**Station ID:** EB01**Sample Matrix:** Water**Collected:** 01/28/2012

7446-09-5	Sulfur dioxide	0.9	T	1.09	02/01/12 14:29	CLP trace/R3QA210
60-29-7	Ethyl Ether	1.0	T	2.17	02/01/12 14:29	CLP trace/R3QA210



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### Tentatively Identified Compound (TIC) Report

#### Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
<b>Lab ID:</b>	1201015-02					
<b>Station ID:</b>	FB06					
<b>Sample Matrix:</b>	Water					
<b>Collected:</b>	01/30/2012					
74367-33-2	Propanoic acid, 2-methyl-, 2,2-dim	20.5	T	6.44	02/02/12 19:28	R3QA201
82304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,9-dien	2.88	T	9.32	02/02/12 19:28	R3QA201
NA	unknown	2.46	T	17.02	02/02/12 19:28	R3QA201

#### Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
<b>Lab ID:</b>	1201015-02					
<b>Station ID:</b>	FB06					
<b>Sample Matrix:</b>	Water					
<b>Collected:</b>	01/30/2012					
7446-09-5	Sulfur dioxide	1.1	T	1.09	02/01/12 15:01	CLP trace/R3QA210
60-29-7	Ethyl Ether	0.8	T	2.18	02/01/12 15:01	CLP trace/R3QA210



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## Tentatively Identified Compound (TIC) Report

## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1201015-03

Station ID: HW18

Sample Matrix: Drinking Water

Collected: 01/30/2012

None Detected

0.00

02/02/12 20:18 R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1201015-03

Station ID: HW18

Sample Matrix: Drinking Water

Collected: 01/30/2012

None Detected

0.0

02/01/12 15:31 CLP trace/R3QA210



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## Tentatively Identified Compound (TIC) Report

### Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-04**Station ID:** HW13**Sample Matrix:** Drinking Water**Collected:** 01/30/2012

3074-64-4 2,3-Dimethyl-2-heptene

2.48 T 3.01 02/02/12 21:09 R3QA201

NA unknown (01)

2.29 T 3.38 02/02/12 21:09 R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-04**Station ID:** HW13**Sample Matrix:** Drinking Water**Collected:** 01/30/2012

None Detected

0.0 02/01/12 16:00 CLP trace/R3QA210



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## Tentatively Identified Compound (TIC) Report

## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-05  
**Station ID:** HW18-P  
**Sample Matrix:** Drinking Water  
**Collected:** 01/30/2012

NA unknown (01) 2.02 T 3.38 02/02/12 21:59 R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-05  
**Station ID:** HW18-P  
**Sample Matrix:** Drinking Water  
**Collected:** 01/30/2012

None Detected 0.0 02/01/12 16:28 CLP trace/R3QA210

## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-11  
**Station ID:** HW25-P  
**Sample Matrix:** Drinking Water  
**Collected:** 01/30/2012

None Detected 0.00 02/06/12 13:04 R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-11  
**Station ID:** HW25-P  
**Sample Matrix:** Drinking Water  
**Collected:** 01/30/2012

None Detected 0.0 02/01/12 16:56 CLP trace/R3QA210



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### Tentatively Identified Compound (TIC) Report

#### Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-13  
**Station ID:** HW26-P  
**Sample Matrix:** Drinking Water  
**Collected:** 01/31/2012

None Detected 0.00 02/06/12 13:46 R3QA201

### Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-13  
**Station ID:** HW26-P  
**Sample Matrix:** Drinking Water  
**Collected:** 01/31/2012

None Detected 0.0 02/08/12 17:03 CLP trace/R3QA210

### Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-15  
**Station ID:** HW26  
**Sample Matrix:** Drinking Water  
**Collected:** 01/31/2012

None Detected 0.00 02/06/12 14:28 R3QA201

### Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-15  
**Station ID:** HW26  
**Sample Matrix:** Drinking Water  
**Collected:** 01/31/2012

None Detected 0.0 02/08/12 17:30 CLP trace/R3QA210



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**Tentatively Identified Compound (TIC) Report**  
**Semivolatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-17  
**Station ID:** HW35  
**Sample Matrix:** Drinking Water  
**Collected:** 01/31/2012

None Detected 0.00 02/06/12 15:10 R3QA201

**Volatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-17  
**Station ID:** HW35  
**Sample Matrix:** Drinking Water  
**Collected:** 01/31/2012

None Detected 0.0 02/08/12 17:58 CLP trace/R3QA210

**Semivolatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-19  
**Station ID:** HW20  
**Sample Matrix:** Drinking Water  
**Collected:** 01/30/2012

None Detected 0.00 02/06/12 18:39 R3QA201

**Volatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-19  
**Station ID:** HW20  
**Sample Matrix:** Drinking Water  
**Collected:** 01/30/2012

None Detected 0.0 02/01/12 17:24 CLP trace/R3QA210



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### Tentatively Identified Compound (TIC) Report

#### Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-21  
**Station ID:** HW20-P  
**Sample Matrix:** Drinking Water  
**Collected:** 01/30/2012

None Detected 0.00 02/06/12 19:21 R3QA201

### Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-21  
**Station ID:** HW20-P  
**Sample Matrix:** Drinking Water  
**Collected:** 01/30/2012

None Detected 0.0 02/01/12 17:51 CLP trace/R3QA210

### Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-23  
**Station ID:** TB08  
**Sample Matrix:** Water  
**Collected:** 01/28/2012

7446-09-5 Sulfur dioxide 1.1 T 1.12 02/01/12 13:25 CLP trace/R3QA210

### Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-24  
**Station ID:** TB09  
**Sample Matrix:** Water  
**Collected:** 01/30/2012

7446-09-5 Sulfur dioxide 1.2 T 1.09 02/01/12 13:57 CLP trace/R3QA210



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**Tentatively Identified Compound (TIC) Report**  
**Semivolatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-25  
**Station ID:** HW32  
**Sample Matrix:** Drinking Water  
**Collected:** 02/01/2012

None Detected 0.00 02/06/12 20:04 R3QA201

**Volatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-25  
**Station ID:** HW32  
**Sample Matrix:** Drinking Water  
**Collected:** 02/01/2012

None Detected 0.0 02/08/12 18:26 CLP trace/R3QA210

**Semivolatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-26  
**Station ID:** HW32-P  
**Sample Matrix:** Drinking Water  
**Collected:** 02/01/2012

None Detected 0.00 02/06/12 20:46 R3QA201

**Volatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-26  
**Station ID:** HW32-P  
**Sample Matrix:** Drinking Water  
**Collected:** 02/01/2012

None Detected 0.0 02/08/12 18:54 CLP trace/R3QA210



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**Tentatively Identified Compound (TIC) Report**  
**Volatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-28

**Station ID:** TB13

**Sample Matrix:** Water

**Collected:** 02/01/2012

75-28-5	Isobutane	14.6	T	1.19	02/08/12 14:44	CLP trace/R3QA210
NA	unknown	0.4	T	1.29	02/08/12 14:44	CLP trace/R3QA210

**Semivolatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-30

**Station ID:** HW33

**Sample Matrix:** Drinking Water

**Collected:** 02/01/2012

None Detected	0.00	02/06/12 21:29	R3QA201
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**Volatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-30

**Station ID:** HW33

**Sample Matrix:** Drinking Water

**Collected:** 02/01/2012

None Detected	0.0	02/08/12 19:22	CLP trace/R3QA210
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## Tentatively Identified Compound (TIC) Report

## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-31  
**Station ID:** HW33a-P  
**Sample Matrix:** Drinking Water  
**Collected:** 02/01/2012

None Detected 0.00 02/06/12 22:12 R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-31  
**Station ID:** HW33a-P  
**Sample Matrix:** Drinking Water  
**Collected:** 02/01/2012

None Detected 0.0 02/08/12 19:50 CLP trace/R3QA210

## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-33  
**Station ID:** HW33b-P  
**Sample Matrix:** Drinking Water  
**Collected:** 02/01/2012

None Detected 0.00 02/06/12 22:54 R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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**Lab ID:** 1201015-33  
**Station ID:** HW33b-P  
**Sample Matrix:** Drinking Water  
**Collected:** 02/01/2012

None Detected 0.0 02/08/12 20:17 CLP trace/R3QA210



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**Tentatively Identified Compound (TIC) Report**  
**Volatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201015-35					
Station ID:	TB12					
Sample Matrix:	Water					
Collected:	02/01/2012					
75-28-5	Isobutane	14.8	T	1.19	02/08/12 15:12	CLP trace/R3QA210

**Semivolatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201015-37					
Station ID:	HW29z					
Sample Matrix:	Drinking Water					
Collected:	01/31/2012					
NA	unknown	2.70	T	14.48	02/06/12 23:37	R3QA201
10544-50-0	Sulfur, mol. (S8)	8.72	T	19.47	02/06/12 23:37	R3QA201

**Volatile Organic Compounds**

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1201015-37					
Station ID:	HW29z					
Sample Matrix:	Drinking Water					
Collected:	01/31/2012					
75-28-5	Isobutane	8.0	B, T	1.19	02/09/12 10:29	CLP trace/R3QA210
106-97-8	Butane	7.7	T	1.32	02/09/12 10:29	CLP trace/R3QA210
78-78-4	Butane, 2-methyl-	0.5	T	1.79	02/09/12 10:29	CLP trace/R3QA210



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## Tentatively Identified Compound (TIC) Report

## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1201015-39

Station ID: HW29

Sample Matrix: Drinking Water

Collected: 01/31/2012

10544-50-0 Sulfur, mol. (S8) 10.5 T 19.45 02/07/12 00:20 R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1201015-39

Station ID: HW29

Sample Matrix: Drinking Water

Collected: 01/31/2012

75-28-5 Isobutane 5.4 B, T 1.19 02/09/12 10:56 CLP trace/R3QA210  
106-97-8 Butane 7.9 T 1.31 02/09/12 10:56 CLP trace/R3QA210  
78-78-4 Butane, 2-methyl- 0.7 T 1.79 02/09/12 10:56 CLP trace/R3QA210



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## Tentatively Identified Compound (TIC) Report

## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1201015-41  
Station ID: HW52  
Sample Matrix: Drinking Water  
Collected: 01/31/2012

112-05-0 Nonanoic acid 4.02 T 11.64 02/07/12 09:23 R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1201015-41  
Station ID: HW52  
Sample Matrix: Drinking Water  
Collected: 01/31/2012

None Detected 0.0 02/09/12 11:24 CLP trace/R3QA210

## Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1201015-43  
Station ID: FB07  
Sample Matrix: Water  
Collected: 01/31/2012

None Detected 0.00 02/07/12 10:05 R3QA201

## Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1201015-43  
Station ID: FB07  
Sample Matrix: Water  
Collected: 01/31/2012

75-28-5 Isobutane 9.5 T 1.19 02/08/12 15:39 CLP trace/R3QA210

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

### Tentatively Identified Compound (TIC) Report Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1201015-45

Station ID: TB10

Sample Matrix: Water

Collected: 01/31/2012

7446-09-5 Sulfur dioxide 1.1 T 1.08 02/08/12 16:07 CLP trace/R3QA210

### Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1201015-46

Station ID: TB11

Sample Matrix: Water

Collected: 01/31/2012

7446-09-5 Sulfur dioxide 0.9 T 1.08 02/08/12 16:35 CLP trace/R3QA210



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701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Alcohols**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	RPD Limit	Notes
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**Batch BB20101 - Alcohols**

Blank (BB20101-BLK1)				Prepared: 02/01/12 06:58	Analyzed: 02/01/12 17:25
1-Butanol	U	10.0	ug/mL		
2-Butanol	U	10.0	"		
Ethanol	U	10.0	"		
Methanol	U	10.0	"		
1-Propanol	U	10.0	"		

LCS (BB20101-BS1)				Prepared: 02/01/12 06:58	Analyzed: 02/01/12 17:39
1-Butanol	102	10.0	ug/mL	100.00	102 70-130
2-Butanol	97.8	10.0	"	100.00	98 70-130
Ethanol	99.3	10.0	"	100.00	99 70-130
Methanol	90.9	10.0	"	100.00	91 70-130
1-Propanol	98.6	10.0	"	100.00	99 70-130

Matrix Spike (BB20101-MS1)				Source: 1201015-17	Prepared: 02/01/12 06:58	Analyzed: 02/01/12 19:56
1-Butanol	105	10.0	ug/mL	100.00	0.00	105 70-130
2-Butanol	100	10.0	"	100.00	0.00	100 70-130
Ethanol	102	10.0	"	100.00	0.00	102 70-130
Methanol	92.8	10.0	"	100.00	0.00	93 70-130
1-Propanol	101	10.0	"	100.00	0.00	101 70-130

Matrix Spike Dup (BB20101-MSD1)				Source: 1201015-17	Prepared: 02/01/12 06:58	Analyzed: 02/01/12 20:10
1-Butanol	112	10.0	ug/mL	100.00	0.00	112 70-130 6 25
2-Butanol	107	10.0	"	100.00	0.00	107 70-130 6 25
Ethanol	107	10.0	"	100.00	0.00	107 70-130 5 25
Methanol	97.5	10.0	"	100.00	0.00	98 70-130 5 25
1-Propanol	107	10.0	"	100.00	0.00	107 70-130 6 25



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Alcohols**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB20401 - Alcohols****Blank (BB20401-BLK1)**

1-Butanol	U	10.0	ug/mL							
2-Butanol	U	10.0	"							
Ethanol	U	10.0	"							
Methanol	U	10.0	"							
1-Propanol	U	10.0	"							

**LCS (BB20401-BS1)**

1-Butanol	107	10.0	ug/mL	100.00	107	70-130				
2-Butanol	103	10.0	"	100.00	103	70-130				
Ethanol	106	10.0	"	100.00	106	70-130				
Methanol	94.9	10.0	"	100.00	95	70-130				
1-Propanol	103	10.0	"	100.00	103	70-130				

**Matrix Spike (BB20401-MS2)**

	Source: 1201015-25		Prepared: 02/04/12 07:04	Analyzed: 02/04/12 11:03						
1-Butanol	116	10.0	ug/mL	100.00	0.00	116	70-130			
2-Butanol	111	10.0	"	100.00	0.00	111	70-130			
Ethanol	110	10.0	"	100.00	0.00	110	70-130			
Methanol	101	10.0	"	100.00	0.00	101	70-130			
1-Propanol	111	10.0	"	100.00	0.00	111	70-130			

**Matrix Spike Dup (BB20401-MSD2)**

	Source: 1201015-25		Prepared: 02/04/12 07:04	Analyzed: 02/04/12 11:17						
1-Butanol	111	10.0	ug/mL	100.00	0.00	111	70-130	4	25	
2-Butanol	107	10.0	"	100.00	0.00	107	70-130	4	25	
Ethanol	104	10.0	"	100.00	0.00	104	70-130	5	25	
Methanol	102	10.0	"	100.00	0.00	102	70-130	0.9	25	
1-Propanol	107	10.0	"	100.00	0.00	107	70-130	4	25	



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB20102 - EPA 3520C SVOC****Blank (BB20102-BLK1)**

Prepared: 02/01/12 07:27 Analyzed: 02/02/12 16:06

Acenaphthene	U	5.00	ug/L							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	1.67	5.00	"							J
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	5.00	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	0.132	5.00	"							J
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
2,4-Dinitrophenol	U	5.00	"							
Di-n-butyl phthalate	0.381	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							
Fluorene	U	5.00	"							



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB20102 - EPA 3520C SVOC**

Blank (BB20102-BLK1)					Prepared: 02/01/12 07:27	Analyzed: 02/02/12 16:06				
Hexachlorobenzene	U	5.00	ug/L							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methoxyethanol	U	5.00	"							
1-Methylnaphthalene	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	10.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	5.00	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	5.00	"							
2,4,6-Trichlorophenol	U	5.00	"							
Cyclohexane, 1-methyl-2-propyl-	7.60		"							T
Cyclododecane	9.47		"							T
Benzaldehyde, 3,5-dimethyl-	2.99		"							T
unknown (04)	5.46		"							T
unknown (03)	12.2		"							T
unknown (01)	7.87		"							T
unknown (02)	3.79		"							T
2-Hexene, 2,5,5-trimethyl-	2.89		"							T
1-Hexene, 4-ethyl-	4.32		"							T
Surrogate: 2-Fluorophenol	40.7		"	100.00		41	21-110			
Surrogate: Phenol-d5	51.0		"	100.00		51	10-110			
Surrogate: Nitrobenzene-d5	24.9		"	50.000		50	35-114			

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Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB20102 - EPA 3520C SVOC**

Blank (BB20102-BLK1)		Prepared: 02/01/12 07:27			Analyzed: 02/02/12 16:06		
Surrogate: 2-Fluorobiphenyl	25.7		ug/L	50.000	51	43-116	
Surrogate: 2,4,6-Tribromophenol	19.3		"	100.00	19	10-123	
Surrogate: Terphenyl-d14	31.8		"	50.000	64	33-141	
LCS (BB20102-BS1)		Prepared: 02/01/12 07:27			Analyzed: 02/02/12 16:56		
Benzo(a)pyrene	3.14	5.00	ug/L	5.0000	63	30-150	J
Bis(2-chloroethyl)ether	3.04	5.00	"	5.0000	61	30-150	J
4-Chloroaniline	3.32	5.00	"	5.0000	66	30-150	J
4-Chloro-3-methylphenol	3.31	5.00	"	5.0000	66	26-103	J
2-Chlorophenol	3.13	5.00	"	5.0000	63	25-102	J
Diethyl phthalate	3.56	5.00	"	5.0000	71	30-150	J
2,4-Dinitrotoluene	3.15	5.00	"	5.0000	63	28-89	J
Hexachlorobenzene	3.28	5.00	"	5.0000	66	30-150	J
Hexachlorobutadiene	2.99	5.00	"	5.0000	60	30-150	J
Hexachloroethane	2.92	5.00	"	5.0000	58	30-150	J
Isophorone	3.47	5.00	"	5.0000	69	30-150	J
2-Methoxyethanol	U	5.00	"	23.160		30-150	A
1-Methylnaphthalene	4.04	5.00	"	5.0000	81	30-150	J
Naphthalene	3.08	5.00	"	5.0000	62	30-150	J
Nitrobenzene	3.10	5.00	"	5.0000	62	30-150	J
4-Nitrophenol	0.603	10.0	"	5.0000	12	11-114	J
N-Nitroso-di-n-propylamine	3.56	5.00	"	5.0000	71	41-126	J
N-Nitrosodiphenylamine	3.75	5.00	"	5.0000	75	30-150	J
Pentachlorophenol	0.104	5.00	"	5.0000	2	17-109	A, J
Phenol	3.29	5.00	"	5.0000	66	26-90	J
2,4,5-Trichlorophenol	2.29	5.00	"	5.0000	46	30-150	J
2,4,6-Trichlorophenol	2.60	5.00	"	5.0000	52	30-150	J
Surrogate: 2-Fluorophenol	57.7		"	100.00	58	21-110	
Surrogate: Phenol-d5	68.6		"	100.00	69	10-110	
Surrogate: Nitrobenzene-d5	29.9		"	50.000	60	35-114	
Surrogate: 2-Fluorobiphenyl	31.3		"	50.000	63	43-116	
Surrogate: 2,4,6-Tribromophenol	50.8		"	100.00	51	10-123	
Surrogate: Terphenyl-d14	35.0		"	50.000	70	33-141	



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Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB20102 - EPA 3520C SVOC**

LCS (BB20102-BS2)		Prepared: 02/01/12 07:27			Analyzed: 02/02/12 17:47		
Benzo(a)pyrene	42.0	5.00	ug/L	60.000	70	30-150	
Bis(2-chloroethyl)ether	38.3	5.00	"	60.000	64	30-150	
4-Chloroaniline	44.7	5.00	"	60.000	74	30-150	
4-Chloro-3-methylphenol	45.4	5.00	"	60.000	76	26-103	
2-Chlorophenol	40.4	5.00	"	60.000	67	25-102	
Diethyl phthalate	43.1	5.00	"	60.000	72	30-150	
2,4-Dinitrotoluene	44.9	5.00	"	60.000	75	28-89	
Hexachlorobenzene	39.6	5.00	"	60.000	66	30-150	
Hexachlorobutadiene	33.8	5.00	"	60.000	56	30-150	
Hexachloroethane	34.9	5.00	"	60.000	58	30-150	
Isophorone	40.6	5.00	"	60.000	68	30-150	
2-Methoxyethanol	41.3	5.00	"	57.900	71	30-150	
1-Methylnaphthalene	51.2	5.00	"	60.000	85	30-150	
Naphthalene	37.6	5.00	"	60.000	63	30-150	
Nitrobenzene	37.4	5.00	"	60.000	62	30-150	
4-Nitrophenol	49.2	10.0	"	60.000	82	11-114	
N-Nitroso-di-n-propylamine	43.9	5.00	"	60.000	73	41-126	
N-Nitrosodiphenylamine	41.9	5.00	"	60.000	70	30-150	
Pentachlorophenol	39.9	5.00	"	60.000	67	17-109	
Phenol	41.2	5.00	"	60.000	69	26-90	
2,4,5-Trichlorophenol	45.0	5.00	"	60.000	75	30-150	
2,4,6-Trichlorophenol	47.3	5.00	"	60.000	79	30-150	
Surrogate: 2-Fluorophenol	67.3	"	100.00		67	21-110	
Surrogate: Phenol-d5	73.7	"	100.00		74	10-110	
Surrogate: Nitrobenzene-d5	32.4	"	50.000		65	35-114	
Surrogate: 2-Fluorobiphenyl	33.2	"	50.000		66	43-116	
Surrogate: 2,4,6-Tribromophenol	81.2	"	100.00		81	10-123	
Surrogate: Terphenyl-d14	36.6	"	50.000		73	33-141	



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB20102 - EPA 3520C SVOC**

Matrix Spike (BB20102-MS1)	Source: 1201015-05		Prepared: 02/01/12 07:27		Analyzed: 02/02/12 22:50		
Benzo(a)pyrene	41.0	5.00	ug/L	60.000	0.00	68	30-150
Bis(2-chloroethyl)ether	39.1	5.00	"	60.000	0.00	65	30-150
4-Chloroaniline	44.6	5.00	"	60.000	0.00	74	30-150
4-Chloro-3-methylphenol	45.0	5.00	"	60.000	0.00	75	26-103
2-Chlorophenol	42.0	5.00	"	60.000	0.00	70	25-102
Diethyl phthalate	41.9	5.00	"	60.000	0.149	70	30-150
2,4-Dinitrotoluene	43.8	5.00	"	60.000	0.00	73	28-89
Hexachlorobenzene	40.0	5.00	"	60.000	0.00	67	30-150
Hexachlorobutadiene	36.2	5.00	"	60.000	0.00	60	30-150
Hexachloroethane	38.8	5.00	"	60.000	0.00	65	30-150
Isophorone	40.3	5.00	"	60.000	0.00	67	30-150
2-Methoxyethanol	44.0	5.00	"	57.900	0.00	76	30-150
1-Methylnaphthalene	50.8	5.00	"	60.000	0.00	85	30-150
Naphthalene	38.8	5.00	"	60.000	0.00	65	30-150
Nitrobenzene	39.0	5.00	"	60.000	0.00	65	30-150
4-Nitrophenol	42.7	10.0	"	60.000	0.00	71	11-114
N-Nitroso-di-n-propylamine	43.4	5.00	"	60.000	0.00	72	41-126
N-Nitrosodiphenylamine	42.5	5.00	"	60.000	0.00	71	30-150
Pentachlorophenol	31.7	5.00	"	60.000	0.00	53	17-109
Phenol	42.5	5.00	"	60.000	0.00	71	26-90
2,4,5-Trichlorophenol	45.3	5.00	"	60.000	0.00	76	30-150
2,4,6-Trichlorophenol	47.4	5.00	"	60.000	0.00	79	30-150
<i>Surrogate: 2-Fluorophenol</i>	70.3	"	100.00		70	21-110	
<i>Surrogate: Phenol-d5</i>	76.9	"	100.00		77	10-110	
<i>Surrogate: Nitrobenzene-d5</i>	33.0	"	50.000		66	35-114	
<i>Surrogate: 2-Fluorobiphenyl</i>	34.3	"	50.000		69	43-116	
<i>Surrogate: 2,4,6-Tribromophenol</i>	82.0	"	100.00		82	10-123	
<i>Surrogate: Terphenyl-d14</i>	38.1	"	50.000		76	33-141	



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB20601 - EPA 3520C SVOC****Blank (BB20601-BLK1)**

Prepared: 02/06/12 08:43 Analyzed: 02/06/12 10:58

Acenaphthene	U	5.00	ug/L							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	0.360	5.00	"							J
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	0.030	5.00	"							J
Carbazole	U	5.00	"							
Caprolactam	U	5.00	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	0.110	5.00	"							J
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
2,4-Dinitrophenol	U	5.00	"							
Di-n-butyl phthalate	3.12	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							
Fluorene	U	5.00	"							



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB20601 - EPA 3520C SVOC**

Blank (BB20601-BLK1)					Prepared: 02/06/12 08:43	Analyzed: 02/06/12 10:58				
Hexachlorobenzene	U	5.00	ug/L							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methoxyethanol	U	5.00	"							
1-Methylnaphthalene	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	10.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	5.00	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	5.00	"							
2,4,6-Trichlorophenol	U	5.00	"							
Decane, 3,3,4-trimethyl-	2.62		"							T
unknown (06)	11.7		"							T
unknown (05)	3.18		"							T
unknown (04)	5.09		"							T
unknown (03)	6.24		"							T
unknown (02)	4.77		"							T
unknown (01)	3.78		"							T
2-Hexene, 3,5,5-trimethyl-	2.16		"							T
Surrogate: 2-Fluorophenol	34.5		"	50.000		69	21-110			
Surrogate: Phenol-d5	41.2		"	50.000		82	10-110			
Surrogate: Nitrobenzene-d5	19.6		"	25.000		78	35-114			
Surrogate: 2-Fluorobiphenyl	19.6		"	25.000		78	43-116			

1201015 FINAL PART 2 OF 3

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02 28 12 1648

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB20601 - EPA 3520C SVOC**

Blank (BB20601-BLK1)		Prepared: 02/06/12 08:43			Analyzed: 02/06/12 10:58		
Surrogate: 2,4,6-Tribromophenol	39.7		ug/L	50.000	79	10-123	
Surrogate: Terphenyl-d14	24.1		"	25.000	97	33-141	
LCS (BB20601-BS1)		Prepared: 02/06/12 08:43			Analyzed: 02/06/12 11:40		
Benzo(a)pyrene	4.89	5.00	ug/L	5.0000	98	30-150	J
Bis(2-chloroethyl)ether	3.33	5.00	"	5.0000	67	30-150	J
4-Chloroaniline	3.61	5.00	"	5.0000	72	30-150	J
4-Chloro-3-methylphenol	4.28	5.00	"	5.0000	86	26-103	J
2-Chlorophenol	4.15	5.00	"	5.0000	83	25-102	J
Diethyl phthalate	5.39	5.00	"	5.0000	108	30-150	
2,4-Dinitrotoluene	4.00	5.00	"	5.0000	80	28-89	J
Hexachlorobenzene	5.18	5.00	"	5.0000	104	30-150	
Hexachlorobutadiene	U	5.00	"			30-150	
Hexachloroethane	2.58	5.00	"	5.0000	52	30-150	J
Isophorone	4.41	5.00	"	5.0000	88	30-150	J
2-Methoxyethanol	U	5.00	"			30-150	
1-Methylnaphthalene	U	5.00	"			30-150	
Naphthalene	3.66	5.00	"	5.0000	73	30-150	J
Nitrobenzene	U	5.00	"			30-150	
4-Nitrophenol	2.68	10.0	"	5.0000	54	11-114	J
N-Nitroso-di-n-propylamine	4.56	5.00	"	5.0000	91	41-126	J
N-Nitrosodiphenylamine	5.89	5.00	"	5.0000	118	30-150	
Pentachlorophenol	0.340	5.00	"	5.0000	7	17-109	A, J
Phenol	4.02	5.00	"	5.0000	80	26-90	J
2,4,5-Trichlorophenol	U	5.00	"			30-150	
2,4,6-Trichlorophenol	U	5.00	"			30-150	
Surrogate: 2-Fluorophenol	35.3	"		50.000	71	21-110	
Surrogate: Phenol-d5	40.9	"		50.000	82	10-110	
Surrogate: Nitrobenzene-d5	19.8	"		25.000	79	35-114	
Surrogate: 2-Fluorobiphenyl	19.6	"		25.000	79	43-116	
Surrogate: 2,4,6-Tribromophenol	43.5	"		50.000	87	10-123	
Surrogate: Terphenyl-d14	20.8	"		25.000	83	33-141	



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB20601 - EPA 3520C SVOC****LCS (BB20601-BS2)**      Prepared: 02/06/12 08:43      Analyzed: 02/06/12 12:22

Benzo(a)pyrene	41.4	5.00	ug/L	40.000	104	30-150				
Bis(2-chloroethyl)ether	31.2	5.00	"	40.000	78	30-150				
4-Chloroaniline	33.4	5.00	"	40.000	84	30-150				
4-Chloro-3-methylphenol	33.9	5.00	"	40.000	85	26-103				
2-Chlorophenol	30.5	5.00	"	40.000	76	25-102				
Diethyl phthalate	33.4	5.00	"	40.000	83	30-150				
2,4-Dinitrotoluene	37.1	5.00	"	40.000	93	28-89				A
Hexachlorobenzene	37.2	5.00	"	40.000	93	30-150				
Hexachlorobutadiene	U	5.00	"			30-150				
Hexachloroethane	19.1	5.00	"	40.000	48	30-150				
Isophorone	34.2	5.00	"	40.000	85	30-150				
2-Methoxyethanol	U	5.00	"			30-150				
1-Methylnaphthalene	U	5.00	"			30-150				
Naphthalene	28.6	5.00	"	40.000	71	30-150				
Nitrobenzene	U	5.00	"			30-150				
4-Nitrophenol	29.2	10.0	"	40.000	73	11-114				
N-Nitroso-di-n-propylamine	32.2	5.00	"	40.000	81	41-126				
N-Nitrosodiphenylamine	42.6	5.00	"	40.000	106	30-150				
Pentachlorophenol	28.7	5.00	"	40.000	72	17-109				
Phenol	29.5	5.00	"	40.000	74	26-90				
2,4,5-Trichlorophenol	U	5.00	"			30-150				
2,4,6-Trichlorophenol	U	5.00	"			30-150				
<i>Surrogate: 2-Fluorophenol</i>	35.1		"	50.000	70	21-110				
<i>Surrogate: Phenol-d5</i>	41.3		"	50.000	83	10-110				
<i>Surrogate: Nitrobenzene-d5</i>	20.9		"	25.000	84	35-114				
<i>Surrogate: 2-Fluorobiphenyl</i>	22.1		"	25.000	88	43-116				
<i>Surrogate: 2,4,6-Tribromophenol</i>	49.8		"	50.000	100	10-123				
<i>Surrogate: Terphenyl-d14</i>	27.3		"	25.000	109	33-141				



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB20601 - EPA 3520C SVOC**

Matrix Spike (BB20601-MS1)	Source: 1201015-17		Prepared: 02/06/12 08:43		Analyzed: 02/06/12 15:52		
Benzo(a)pyrene	41.3	5.00	ug/L	40.000	0.00	103	30-150
Bis(2-chloroethyl)ether	23.9	5.00	"	40.000	0.00	60	30-150
4-Chloroaniline	29.9	5.00	"	40.000	0.00	75	30-150
4-Chloro-3-methylphenol	33.1	5.00	"	40.000	0.00	83	26-103
2-Chlorophenol	23.2	5.00	"	40.000	0.00	58	25-102
Diethyl phthalate	37.0	5.00	"	40.000	0.020	92	30-150
2,4-Dinitrotoluene	38.1	5.00	"	40.000	0.00	95	28-89
Hexachlorobenzene	37.0	5.00	"	40.000	0.00	92	30-150
Hexachlorobutadiene	U	5.00	"		0.00		30-150
Hexachloroethane	15.6	5.00	"	40.000	0.00	39	30-150
Isophorone	30.8	5.00	"	40.000	0.00	77	30-150
2-Methoxyethanol	U	5.00	"		0.00		30-150
1-Methylnaphthalene	U	5.00	"		0.00		30-150
Naphthalene	25.5	5.00	"	40.000	0.00	64	30-150
Nitrobenzene	U	5.00	"		0.00		30-150
4-Nitrophenol	28.7	10.0	"	40.000	0.00	72	11-114
N-Nitroso-di-n-propylamine	29.9	5.00	"	40.000	0.00	75	41-126
N-Nitrosodiphenylamine	34.7	5.00	"	40.000	0.00	87	30-150
Pentachlorophenol	24.3	5.00	"	40.000	0.00	61	17-109
Phenol	24.5	5.00	"	40.000	0.00	61	26-90
2,4,5-Trichlorophenol	U	5.00	"		0.00		30-150
2,4,6-Trichlorophenol	U	5.00	"		0.00		30-150
<i>Surrogate: 2-Fluorophenol</i>	23.5		"	50.000		47	21-110
<i>Surrogate: Phenol-d5</i>	33.7		"	50.000		67	10-110
<i>Surrogate: Nitrobenzene-d5</i>	16.5		"	25.000		66	35-114
<i>Surrogate: 2-Fluorobiphenyl</i>	20.2		"	25.000		81	43-116
<i>Surrogate: 2,4,6-Tribromophenol</i>	47.2		"	50.000		94	10-123
<i>Surrogate: Terphenyl-d14</i>	22.5		"	25.000		90	33-141



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Semivolatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB20601 - EPA 3520C SVOC**

Matrix Spike Dup (BB20601-MSD1)	Source: 1201015-17		Prepared: 02/06/12 08:43		Analyzed: 02/06/12 16:33				
Benzo(a)pyrene	42.1	5.00	ug/L	40.000	0.00	105	30-150	2	25
Bis(2-chloroethyl)ether	29.5	5.00	"	40.000	0.00	74	30-150	21	25
4-Chloroaniline	29.5	5.00	"	40.000	0.00	74	30-150	2	25
4-Chloro-3-methylphenol	33.2	5.00	"	40.000	0.00	83	26-103	0.1	33
2-Chlorophenol	28.5	5.00	"	40.000	0.00	71	25-102	20	50
Diethyl phthalate	35.9	5.00	"	40.000	0.020	90	30-150	3	25
Hexachlorobenzene	36.7	5.00	"	40.000	0.00	92	30-150	0.8	25
Hexachlorobutadiene	U	5.00	"		0.00		30-150		200
Hexachloroethane	18.9	5.00	"	40.000	0.00	47	30-150	19	25
Isophorone	32.1	5.00	"	40.000	0.00	80	30-150	4	25
2-Methoxyethanol	U	5.00	"		0.00		30-150		25
1-Methylnaphthalene	U	5.00	"		0.00		30-150		25
Naphthalene	27.2	5.00	"	40.000	0.00	68	30-150	6	25
Nitrobenzene	U	5.00	"		0.00		30-150		200
4-Nitrophenol	28.2	10.0	"	40.000	0.00	71	11-114	2	50
N-Nitroso-di-n-propylamine	31.0	5.00	"	40.000	0.00	78	41-126	4	38
N-Nitrosodiphenylamine	34.9	5.00	"	40.000	0.00	87	30-150	0.3	25
Pentachlorophenol	20.2	5.00	"	40.000	0.00	50	17-109	19	47
Phenol	26.4	5.00	"	40.000	0.00	66	26-90	8	35
2,4,5-Trichlorophenol	U	5.00	"		0.00		30-150		200
2,4,6-Trichlorophenol	U	5.00	"		0.00		30-150		200
<i>Surrogate: 2-Fluorophenol</i>	29.8		"	50.000		60	21-110		
<i>Surrogate: Phenol-d5</i>	36.3		"	50.000		73	10-110		
<i>Surrogate: Nitrobenzene-d5</i>	19.4		"	25.000		78	35-114		
<i>Surrogate: 2-Fluorobiphenyl</i>	20.4		"	25.000		82	43-116		
<i>Surrogate: 2,4,6-Tribromophenol</i>	47.2		"	50.000		94	10-123		
<i>Surrogate: Terphenyl-d14</i>	23.6		"	25.000		95	33-141		



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road  
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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB20202 - VOC Purge and Trap****Blank (BB20202-BLK1)**

Prepared &amp; Analyzed: 02/01/12 12:42

Acetone	U	2.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	2.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
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701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB20202 - VOC Purge and Trap****Blank (BB20202-BLK1)**

Prepared &amp; Analyzed: 02/01/12 12:42

Hexachlorobutadiene	U	0.5	ug/L							
2-Hexanone	U	2.0	"							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	2.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
Acrylonitrile	U	2.0	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	4.350	"	4.0000		109	86-115				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.110	"	4.0000		103	76-114				
<i>Surrogate: Toluene-d8</i>	4.230	"	4.0000		106	88-110				



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB20202 - VOC Purge and Trap****LCS (BB20202-BS1)**

Prepared &amp; Analyzed: 01/31/12 14:10

Acetone	1.35	2.0	ug/L			80-120				J
Benzene	4.83	0.5	"	5.0000	97	80-120				
Bromobenzene	4.57	0.5	"	5.0000	91	80-120				
Bromoform	4.77	0.5	"	5.0000	95	80-120				
Bromochloromethane	4.96	0.5	"	5.0000	99	80-120				
Bromodichloromethane	4.55	0.5	"	5.0000	91	80-120				
Bromomethane	5.75	0.5	"	5.0000	115	80-120				
2-Butanone	U	2.0	"			80-120				
sec-Butylbenzene	4.90	0.5	"	5.0000	98	80-120				
tert-Butylbenzene	4.77	0.5	"	5.0000	95	80-120				
n-Butylbenzene	5.03	0.5	"	5.0000	101	80-120				
Carbon disulfide	U	0.5	"			80-120				
Carbon Tetrachloride	5.01	0.5	"	5.0000	100	80-120				
Chlorobenzene	4.79	0.5	"	5.0000	96	80-120				
Chlorodibromomethane	4.77	0.5	"	5.0000	95	80-120				
Chloroethane	5.47	0.5	"	5.0000	109	80-120				
Chloroform	4.72	0.5	"	5.0000	94	80-120				
Chloromethane	5.82	0.5	"	5.0000	116	80-120				
2-Chlorotoluene	4.46	0.5	"	5.0000	89	80-120				
4-Chlorotoluene	4.81	0.5	"	5.0000	96	80-120				
Cyclohexane	U	0.5	"			80-120				
1,2-Dibromo-3-chloropropane	4.34	0.5	"	5.0000	87	80-120				
1,2-Dibromoethane (EDB)	4.65	0.5	"	5.0000	93	80-120				
Dibromomethane	5.28	0.5	"	5.0000	106	80-120				
1,2-Dichlorobenzene	4.91	0.5	"	5.0000	98	80-120				
1,3-Dichlorobenzene	4.90	0.5	"	5.0000	98	80-120				
1,4-Dichlorobenzene	4.75	0.5	"	5.0000	95	80-120				
Dichlorodifluoromethane	8.34	0.5	"	5.0000	167	80-120				A
1,1-Dichloroethane	6.50	0.5	"	5.0000	130	80-120				A
1,2-Dichloroethane	4.97	0.5	"	5.0000	99	80-120				
1,1-Dichloroethene	5.36	0.5	"	5.0000	107	80-120				
cis-1,2-Dichloroethene	4.60	0.5	"	5.0000	92	80-120				
trans-1,2-Dichloroethene	5.06	0.5	"	5.0000	101	80-120				
1,2-Dichloropropane	4.91	0.5	"	5.0000	98	80-120				
1,3-Dichloropropane	4.89	0.5	"	5.0000	98	80-120				
2,2-Dichloropropane	4.82	0.5	"	5.0000	96	80-120				
1,1-Dichloropropene	4.95	0.5	"	5.0000	99	80-120				
cis-1,3-Dichloropropene	5.06	0.5	"	5.0000	101	80-120				
trans-1,3-Dichloropropene	5.28	0.5	"	5.0000	106	80-120				
Ethylbenzene	4.83	0.5	"	5.0000	97	80-120				
Freon 113	U	0.5	"			80-120				

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB20202 - VOC Purge and Trap****LCS (BB20202-BS1)**

Prepared &amp; Analyzed: 01/31/12 14:10

Hexachlorobutadiene	4.50	0.5	ug/L	5.0000		90	80-120			
2-Hexanone	U	2.0	"				80-120			
Isopropylbenzene	5.54	0.5	"	5.0000		111	80-120			
p-Isopropyltoluene	5.29	0.5	"	5.0000		106	80-120			
Methyl Acetate	U	0.5	"				80-120			
Methylcyclohexane	U	0.5	"				80-120			
Methyl-tert-butyl ether	U	0.5	"				80-120			
Methylene Chloride	4.95	0.5	"	5.0000		99	80-120			
4-Methyl-2-pentanone	U	2.0	"				80-120			
Naphthalene	5.43	0.5	"	5.0000		109	80-120			
n-Propylbenzene	4.89	0.5	"	5.0000		98	80-120			
1,1,2,2-Tetrachloroethane	4.87	0.5	"	5.0000		97	80-120			
1,1,1,2-Tetrachloroethane	4.80	0.5	"	5.0000		96	80-120			
Tetrachloroethene	4.77	0.5	"	5.0000		95	80-120			
Toluene	4.73	0.5	"	5.0000		95	80-120			
1,2,3-Trichlorobenzene	4.94	0.5	"	5.0000		99	80-120			
1,2,4-Trichlorobenzene	5.18	0.5	"	5.0000		104	80-120			
1,1,1-Trichloroethane	4.68	0.5	"	5.0000		94	80-120			
1,1,2-Trichloroethane	5.07	0.5	"	5.0000		101	80-120			
Trichloroethene	4.84	0.5	"	5.0000		97	80-120			
Trichlorofluoromethane	5.60	0.5	"	5.0000		112	80-120			
1,2,3-Trichloropropane	4.82	0.5	"	5.0000		96	80-120			
1,2,4-Trimethylbenzene	4.80	0.5	"	5.0000		96	80-120			
1,3,5-Trimethylbenzene	4.62	0.5	"	5.0000		92	80-120			
Vinyl acetate	U	0.5	"				80-120			
Vinyl chloride	6.06	0.5	"	5.0000		121	80-120			A
m-Xylene/p-Xylene	9.87	1.0	"	10.000		99	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	3.840		"	4.0000		96	86-115			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.000		"	4.0000		100	76-114			
<i>Surrogate: Toluene-d8</i>	4.080		"	4.0000		102	88-110			



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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB21007 - VOC Purge and Trap****Blank (BB21007-BLK1)**

Prepared &amp; Analyzed: 02/08/12 14:16

Acetone	U	2.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	2.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							

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Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB21007 - VOC Purge and Trap****Blank (BB21007-BLK1)**

Prepared &amp; Analyzed: 02/08/12 14:16

Hexachlorobutadiene	U	0.5	ug/L							
2-Hexanone	U	2.0	"							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	2.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	4.110	"	4.0000		103	86-115				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	3.950	"	4.0000		99	76-114				
<i>Surrogate: Toluene-d8</i>	4.040	"	4.0000		101	88-110				



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB21007 - VOC Purge and Trap****Blank (BB21007-BLK2)**

Prepared &amp; Analyzed: 02/09/12 10:01

Acetone	U	2.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	2.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB21007 - VOC Purge and Trap****Blank (BB21007-BLK2)**

Prepared &amp; Analyzed: 02/09/12 10:01

Hexachlorobutadiene	U	0.5	ug/L							
2-Hexanone	U	2.0	"							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	2.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	4.200	"	4.0000		105	86-115				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.270	"	4.0000		107	76-114				
<i>Surrogate: Toluene-d8</i>	3.960	"	4.0000		99	88-110				



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB21007 - VOC Purge and Trap**

LCS (BB21007-BS1)	Prepared & Analyzed: 02/08/12 13:21						
Acetone	0.57	2.0	ug/L			80-120	J
Benzene	4.88	0.5	"	5.0000	98	80-120	
Bromobenzene	4.61	0.5	"	5.0000	92	80-120	
Bromoform	4.78	0.5	"	5.0000	96	80-120	
Bromodichloromethane	5.04	0.5	"	5.0000	101	80-120	
Bromomethane	4.31	0.5	"	5.0000	86	80-120	
2-Butanone	6.04	0.5	"	5.0000	121	80-120	A
sec-Butylbenzene	U	2.0	"			80-120	
tert-Butylbenzene	4.98	0.5	"	5.0000	100	80-120	
n-Butylbenzene	4.87	0.5	"	5.0000	97	80-120	
Carbon disulfide	5.14	0.5	"	5.0000	103	80-120	
Carbon Tetrachloride	U	0.5	"			80-120	
Chlorobenzene	4.94	0.5	"	5.0000	99	80-120	
Chlorodibromomethane	5.03	0.5	"	5.0000	101	80-120	
Chloroethane	5.31	0.5	"	5.0000	106	80-120	
Chloroethane	5.55	0.5	"	5.0000	111	80-120	
Chloroform	4.93	0.5	"	5.0000	99	80-120	
Chloromethane	6.14	0.5	"	5.0000	123	80-120	A
2-Chlorotoluene	4.86	0.5	"	5.0000	97	80-120	
4-Chlorotoluene	4.83	0.5	"	5.0000	97	80-120	
Cyclohexane	U	0.5	"			80-120	
1,2-Dibromo-3-chloropropane	3.90	0.5	"	5.0000	78	80-120	A
1,2-Dibromoethane (EDB)	5.36	0.5	"	5.0000	107	80-120	
Dibromomethane	5.22	0.5	"	5.0000	104	80-120	
1,2-Dichlorobenzene	4.78	0.5	"	5.0000	96	80-120	
1,3-Dichlorobenzene	4.81	0.5	"	5.0000	96	80-120	
1,4-Dichlorobenzene	4.72	0.5	"	5.0000	94	80-120	
Dichlorodifluoromethane	9.01	0.5	"	5.0000	180	80-120	A
1,1-Dichloroethane	4.97	0.5	"	5.0000	99	80-120	
1,2-Dichloroethane	4.83	0.5	"	5.0000	97	80-120	
1,1-Dichloroethene	5.19	0.5	"	5.0000	104	80-120	
cis-1,2-Dichloroethene	4.69	0.5	"	5.0000	94	80-120	
trans-1,2-Dichloroethene	4.86	0.5	"	5.0000	97	80-120	
1,2-Dichloropropane	4.97	0.5	"	5.0000	99	80-120	
1,3-Dichloropropane	5.04	0.5	"	5.0000	101	80-120	
2,2-Dichloropropane	5.07	0.5	"	5.0000	101	80-120	
1,1-Dichloropropene	4.95	0.5	"	5.0000	99	80-120	
cis-1,3-Dichloropropene	5.51	0.5	"	5.0000	110	80-120	
trans-1,3-Dichloropropene	5.46	0.5	"	5.0000	109	80-120	
Ethylbenzene	5.12	0.5	"	5.0000	102	80-120	
Freon 113	U	0.5	"			80-120	

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB21007 - VOC Purge and Trap**

Prepared & Analyzed: 02/08/12 13:21						
LCS (BB21007-BS1)						
Hexachlorobutadiene	4.79	0.5	ug/L	5.0000	96	80-120
2-Hexanone	U	2.0	"			80-120
Isopropylbenzene	5.76	0.5	"	5.0000	115	80-120
p-Isopropyltoluene	5.34	0.5	"	5.0000	107	80-120
Methyl Acetate	U	0.5	"			80-120
Methylcyclohexane	U	0.5	"			80-120
Methyl-tert-butyl ether	U	0.5	"			80-120
Methylene Chloride	4.86	0.5	"	5.0000	97	80-120
4-Methyl-2-pentanone	U	2.0	"			80-120
Naphthalene	4.81	0.5	"	5.0000	96	80-120
n-Propylbenzene	4.94	0.5	"	5.0000	99	80-120
1,1,2,2-Tetrachloroethane	4.34	0.5	"	5.0000	87	80-120
1,1,1,2-Tetrachloroethane	5.31	0.5	"	5.0000	106	80-120
Tetrachloroethene	5.18	0.5	"	5.0000	104	80-120
Toluene	4.96	0.5	"	5.0000	99	80-120
1,2,3-Trichlorobenzene	4.85	0.5	"	5.0000	97	80-120
1,2,4-Trichlorobenzene	5.04	0.5	"	5.0000	101	80-120
1,1,1-Trichloroethane	5.08	0.5	"	5.0000	102	80-120
1,1,2-Trichloroethane	5.05	0.5	"	5.0000	101	80-120
Trichloroethene	4.73	0.5	"	5.0000	95	80-120
Trichlorofluoromethane	5.71	0.5	"	5.0000	114	80-120
1,2,3-Trichloropropane	4.79	0.5	"	5.0000	96	80-120
1,2,4-Trimethylbenzene	4.93	0.5	"	5.0000	99	80-120
1,3,5-Trimethylbenzene	4.70	0.5	"	5.0000	94	80-120
Vinyl acetate	U	0.5	"			80-120
Vinyl chloride	6.15	0.5	"	5.0000	123	80-120
m-Xylene/p-Xylene	10.12	1.0	"	10.000	101	80-120
Surrogate: 4-Bromofluorobenzene	3.880		"	4.0000	97	86-115
Surrogate: 1,2-Dichloroethane-d4	3.900		"	4.0000	98	76-114
Surrogate: Toluene-d8	4.010		"	4.0000	100	88-110



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB21007 - VOC Purge and Trap**

Matrix Spike (BB21007-MS1)	Source: 1201015-17		Prepared & Analyzed: 02/09/12 12:20						
Acetone	5.74	2.0	ug/L	5.0000	0.44	106	70-130		
Benzene	4.88	0.5	"	5.0000	0.00	98	76-127		
Bromobenzene	4.56	0.5	"	5.0000	0.00	91	70-130		
Bromo(chloromethane)	4.33	0.5	"	5.0000	0.00	87	70-130		
Bromodichloromethane	4.98	0.5	"	5.0000	0.00	100	70-130		
Bromoform	4.16	0.5	"	5.0000	0.00	83	70-130		
Bromomethane	1.72	0.5	"	5.0000	0.00	34	70-130		A
2-Butanone	4.32	2.0	"	5.0000	0.00	86	70-130		
sec-Butylbenzene	4.67	0.5	"	5.0000	0.00	93	70-130		
tert-Butylbenzene	4.53	0.5	"	5.0000	0.00	91	70-130		
n-Butylbenzene	4.79	0.5	"	5.0000	0.00	96	70-130		
Carbon disulfide	10.68	0.5	"	5.0000	0.11	211	70-130		A
Carbon Tetrachloride	4.84	0.5	"	5.0000	0.00	97	70-130		
Chlorobenzene	4.79	0.5	"	5.0000	0.00	96	75-130		
Chlorodibromomethane	5.07	0.5	"	5.0000	0.00	101	70-130		
Chloroethane	4.47	0.5	"	5.0000	0.00	89	70-130		
Chloroform	4.95	0.5	"	5.0000	0.13	96	70-130		
Chloromethane	4.70	0.5	"	5.0000	0.00	94	70-130		
2-Chlorotoluene	4.65	0.5	"	5.0000	0.00	93	70-130		
4-Chlorotoluene	4.62	0.5	"	5.0000	0.00	92	70-130		
Cyclohexane	5.21	0.5	"		0.00		70-130		
1,2-Dibromo-3-chloropropane	3.75	0.5	"	5.0000	0.00	75	70-130		
1,2-Dibromoethane (EDB)	4.82	0.5	"	5.0000	0.00	96	70-130		
Dibromomethane	4.86	0.5	"	5.0000	0.00	97	70-130		
1,2-Dichlorobenzene	4.62	0.5	"	5.0000	0.00	92	70-130		
1,3-Dichlorobenzene	4.67	0.5	"	5.0000	0.00	93	70-130		
1,4-Dichlorobenzene	4.62	0.5	"	5.0000	0.00	92	70-130		
Dichlorodifluoromethane	4.72	0.5	"	5.0000	0.00	94	70-130		
1,1-Dichloroethane	4.69	0.5	"	5.0000	0.00	94	70-130		
1,2-Dichloroethane	4.98	0.5	"	5.0000	0.00	100	70-130		
1,1-Dichloroethene	7.02	0.5	"	5.0000	0.00	140	61-145		
cis-1,2-Dichloroethene	4.68	0.5	"	5.0000	0.00	94	70-130		
trans-1,2-Dichloroethene	4.86	0.5	"	5.0000	0.00	97	70-130		
1,2-Dichloropropane	5.07	0.5	"	5.0000	0.00	101	70-130		
1,3-Dichloropropane	4.88	0.5	"	5.0000	0.00	98	70-130		
2,2-Dichloropropane	4.59	0.5	"	5.0000	0.00	92	70-130		
1,1-Dichloropropene	4.78	0.5	"	5.0000	0.00	96	70-130		
cis-1,3-Dichloropropene	5.21	0.5	"	5.2500	0.00	99	70-130		
trans-1,3-Dichloropropene	4.41	0.5	"	4.7500	0.00	93	70-130		
Ethylbenzene	4.76	0.5	"	5.0000	0.00	95	70-130		
Freon 113	11.06	0.5	"		0.00		70-130		A

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
Office of Analytical Services and Quality Assurance  
701 Mapes Road  
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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch BB21007 - VOC Purge and Trap**

Matrix Spike (BB21007-MS1)	Source: 1201015-17		Prepared & Analyzed: 02/09/12 12:20						
Hexachlorobutadiene	4.30	0.5	ug/L	5.0000	0.00	86	70-130		
2-Hexanone	4.24	2.0	"	5.0000	0.00	85	70-130		
Isopropylbenzene	4.71	0.5	"	5.0000	0.00	94	70-130		
p-Isopropyltoluene	4.66	0.5	"	5.0000	0.00	93	70-130		
Methyl Acetate	9.61	0.5	"		0.00		70-130		A
Methylcyclohexane	5.05	0.5	"		0.00		70-130		
Methyl-tert-butyl ether	4.78	0.5	"		0.00		70-130		
Methylene Chloride	10.42	0.5	"	5.0000	0.00	208	70-130		A
4-Methyl-2-pentanone	4.38	2.0	"	5.0000	0.00	88	70-130		
Naphthalene	4.87	0.5	"	5.0000	0.00	97	70-130		
n-Propylbenzene	4.65	0.5	"	5.0000	0.00	93	70-130		
1,1,2,2-Tetrachloroethane	4.63	0.5	"	5.0000	0.00	93	70-130		
1,1,1,2-Tetrachloroethane	4.92	0.5	"	5.0000	0.00	98	70-130		
Tetrachloroethene	4.57	0.5	"	5.0000	0.00	91	70-130		
Toluene	4.66	0.5	"	5.0000	0.00	93	76-125		
1,2,3-Trichlorobenzene	4.96	0.5	"	5.0000	0.00	99	70-130		
1,2,4-Trichlorobenzene	4.63	0.5	"	5.0000	0.00	93	70-130		
1,1,1-Trichloroethane	4.83	0.5	"	5.0000	0.00	97	70-130		
1,1,2-Trichloroethane	4.84	0.5	"	5.0000	0.00	97	70-130		
Trichloroethene	4.74	0.5	"	5.0000	0.00	95	71-120		
Trichlorofluoromethane	5.38	0.5	"	5.0000	0.00	108	70-130		
1,2,3-Trichloropropane	4.68	0.5	"	5.0000	0.00	94	70-130		
1,2,4-Trimethylbenzene	4.81	0.5	"	5.0000	0.00	96	70-130		
1,3,5-Trimethylbenzene	4.70	0.5	"	5.0000	0.00	94	70-130		
Vinyl acetate	4.69	0.5	"	5.0000	0.00	94	70-130		
Vinyl chloride	4.89	0.5	"	5.0000	0.00	98	70-130		
m-Xylene/p-Xylene	9.62	1.0	"	10.000	0.00	96	70-130		
Surrogate: 4-Bromofluorobenzene	3.850		"	4.0000		96	86-115		
Surrogate: 1,2-Dichloroethane-d4	4.160		"	4.0000		104	76-114		
Surrogate: Toluene-d8	3.910		"	4.0000		98	88-110		



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB21007 - VOC Purge and Trap**

Matrix Spike Dup (BB21007-MSD1)	Source: 1201015-17		Prepared & Analyzed: 02/09/12 12:48							
Acetone	5.65	2.0	ug/L	5.0000	0.44	104	70-130	2	20	
Benzene	4.83	0.5	"	5.0000	0.00	97	76-127	1	11	
Bromo-benzene	4.38	0.5	"	5.0000	0.00	88	70-130	4	20	
Bromo-chloromethane	4.23	0.5	"	5.0000	0.00	85	70-130	2	20	
Bromo-dichloromethane	4.87	0.5	"	5.0000	0.00	97	70-130	2	20	
Bromoform	4.19	0.5	"	5.0000	0.00	84	70-130	0.7	20	
Bromo-methane	2.23	0.5	"	5.0000	0.00	45	70-130	26	20	A
2-Butanone	4.12	2.0	"	5.0000	0.00	82	70-130	5	20	
sec-Butylbenzene	4.63	0.5	"	5.0000	0.00	93	70-130	0.9	20	
tert-Butylbenzene	4.45	0.5	"	5.0000	0.00	89	70-130	2	20	
n-Butylbenzene	4.86	0.5	"	5.0000	0.00	97	70-130	1	20	
Carbon disulfide	10.20	0.5	"	5.0000	0.11	202	70-130	5	20	A
Carbon Tetrachloride	4.98	0.5	"	5.0000	0.00	100	70-130	3	20	
Chlorobenzene	4.69	0.5	"	5.0000	0.00	94	75-130	2	13	
Chloro-dibromomethane	4.76	0.5	"	5.0000	0.00	95	70-130	6	20	
Chloroethane	4.25	0.5	"	5.0000	0.00	85	70-130	5	20	
Chloroform	4.80	0.5	"	5.0000	0.13	93	70-130	3	20	
Chloro-methane	4.43	0.5	"	5.0000	0.00	89	70-130	6	20	
2-Chloro-toluene	4.55	0.5	"	5.0000	0.00	91	70-130	2	20	
4-Chloro-toluene	4.49	0.5	"	5.0000	0.00	90	70-130	3	20	
Cyclohexane	5.11	0.5	"		0.00		70-130	2	20	
1,2-Dibromo-3-chloropropane	3.95	0.5	"	5.0000	0.00	79	70-130	5	20	
1,2-Dibromoethane (EDB)	4.95	0.5	"	5.0000	0.00	99	70-130	3	20	
Dibromo-methane	4.98	0.5	"	5.0000	0.00	100	70-130	2	20	
1,2-Dichloro-benzene	4.34	0.5	"	5.0000	0.00	87	70-130	6	20	
1,3-Dichloro-benzene	4.35	0.5	"	5.0000	0.00	87	70-130	7	20	
1,4-Dichloro-benzene	4.47	0.5	"	5.0000	0.00	89	70-130	3	20	
Dichloro-difluoromethane	4.66	0.5	"	5.0000	0.00	93	70-130	1	20	
1,1-Dichloro-ethane	4.57	0.5	"	5.0000	0.00	91	70-130	3	20	
1,2-Dichloro-ethane	4.78	0.5	"	5.0000	0.00	96	70-130	4	20	
1,1-Dichloro-ethene	6.86	0.5	"	5.0000	0.00	137	61-145	2	14	
cis-1,2-Dichloro-ethene	4.68	0.5	"	5.0000	0.00	94	70-130	0	20	
trans-1,2-Dichloro-ethene	10.03	0.5	"	5.0000	0.00	201	70-130	69	20	A
1,2-Dichloro-propane	4.84	0.5	"	5.0000	0.00	97	70-130	5	20	
1,3-Dichloro-propane	4.63	0.5	"	5.0000	0.00	93	70-130	5	20	
2,2-Dichloro-propane	4.52	0.5	"	5.0000	0.00	90	70-130	2	20	
1,1-Dichloro-propene	4.54	0.5	"	5.0000	0.00	91	70-130	5	20	
cis-1,3-Dichloro-propene	5.44	0.5	"	5.2500	0.00	104	70-130	4	20	
trans-1,3-Dichloro-propene	4.41	0.5	"	4.7500	0.00	93	70-130	0	20	
Ethylbenzene	4.67	0.5	"	5.0000	0.00	93	70-130	2	20	
Freon 113	10.89	0.5	"		0.00		70-130	2	20	A

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center  
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701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

**QC Data**  
**Volatile Organic Compounds**

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch BB21007 - VOC Purge and Trap**

Matrix Spike Dup (BB21007-MSD1)	Source: 1201015-17		Prepared & Analyzed: 02/09/12 12:48							
Hexachlorobutadiene	4.49	0.5	ug/L	5.0000	0.00	90	70-130	4	20	
2-Hexanone	4.03	2.0	"	5.0000	0.00	81	70-130	5	20	
Isopropylbenzene	4.75	0.5	"	5.0000	0.00	95	70-130	0.8	20	
p-Isopropyltoluene	4.64	0.5	"	5.0000	0.00	93	70-130	0.4	20	
Methyl Acetate	11.03	0.5	"		0.00		70-130	14	20	A
Methylcyclohexane	4.96	0.5	"		0.00		70-130	2	20	
Methyl-tert-butyl ether	4.90	0.5	"		0.00		70-130	2	20	
Methylene Chloride	10.01	0.5	"	5.0000	0.00	200	70-130	4	20	A
4-Methyl-2-pentanone	4.40	2.0	"	5.0000	0.00	88	70-130	0.5	20	
Naphthalene	5.17	0.5	"	5.0000	0.00	103	70-130	6	20	
n-Propylbenzene	4.56	0.5	"	5.0000	0.00	91	70-130	2	20	
1,1,2,2-Tetrachloroethane	4.47	0.5	"	5.0000	0.00	89	70-130	4	20	
1,1,1,2-Tetrachloroethane	4.85	0.5	"	5.0000	0.00	97	70-130	1	20	
Tetrachloroethene	4.59	0.5	"	5.0000	0.00	92	70-130	0.4	20	
Toluene	4.48	0.5	"	5.0000	0.00	90	76-125	4	13	
1,2,3-Trichlorobenzene	4.90	0.5	"	5.0000	0.00	98	70-130	1	20	
1,2,4-Trichlorobenzene	4.69	0.5	"	5.0000	0.00	94	70-130	1	20	
1,1,1-Trichloroethane	4.65	0.5	"	5.0000	0.00	93	70-130	4	20	
1,1,2-Trichloroethane	4.51	0.5	"	5.0000	0.00	90	70-130	7	20	
Trichloroethene	4.77	0.5	"	5.0000	0.00	95	71-120	0.6	14	
Trichlorofluoromethane	4.97	0.5	"	5.0000	0.00	99	70-130	8	20	
1,2,3-Trichloropropane	4.29	0.5	"	5.0000	0.00	86	70-130	9	20	
1,2,4-Trimethylbenzene	4.67	0.5	"	5.0000	0.00	93	70-130	3	20	
1,3,5-Trimethylbenzene	4.59	0.5	"	5.0000	0.00	92	70-130	2	20	
Vinyl acetate	4.68	0.5	"	5.0000	0.00	94	70-130	0.2	20	
Vinyl chloride	4.71	0.5	"	5.0000	0.00	94	70-130	4	20	
m-Xylene/p-Xylene	9.32	1.0	"	10.000	0.00	93	70-130	3	20	
Surrogate: 4-Bromofluorobenzene	3.730		"	4.0000		93	86-115			
Surrogate: 1,2-Dichloroethane-d4	3.940		"	4.0000		98	76-114			
Surrogate: Toluene-d8	3.790		"	4.0000		95	88-110			



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Office of Analytical Services and Quality Assurance  
701 Mapes Road  
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

## Notes and Definitions

- UJ The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
- T Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
- J The identification of the analyte is acceptable; the reported value is an estimate.
- B Not detected substantially above (10 times) the level reported in the laboratory or field blanks (including field, trip, rinsate, and equipment blanks).
- A Quality control value is outside acceptance limits.
- %REC Percent Recovery
- RPD Relative Percent Difference
- U Analyte included in the analysis, but not detected at or above the quantitation limit.

QUANTITATION LIMIT: The lowest concentration of an analyte that can be reliably measured within specified limits of precision and accuracy for a specific laboratory analytical method and that takes into account analytical adjustments made during sample preparation and analysis.

SOLID SAMPLE RESULTS - REPORTING PROTOCOL: Solid samples where % Solids (percent dry wt at 105 degrees C) has been performed, are analyzed wet and converted to a dry weight result for reporting purposes. This is routine for organics and most inorganic analyses. When metals and mercury analyses are requested, solid samples are routinely analyzed and reported on a dry weight basis. Solid samples for metals/mercury are prepared for analysis by an initial drying at 60 degree C and homogenization before digestion. Oil-type samples will be analyzed and reported on a wet weight basis for all analyses because of the nature of the sample. Any exceptions to the protocol will be noted with a qualifier

ON-DEMAND: The term 'on-demand' analysis, if noted in the report narrative, refers to Section 13.1.4 in the Region III OASQA Laboratory Quality Manual, which provides procedures for non-routine analyses or analytes.